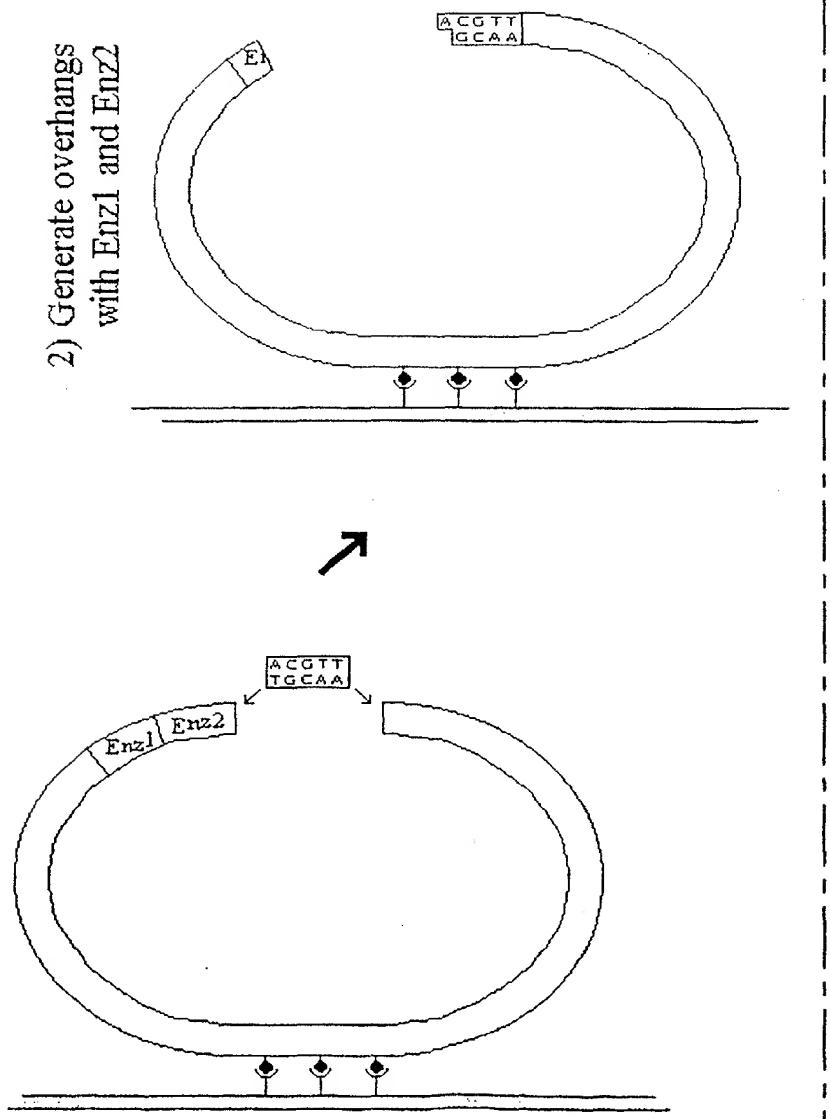
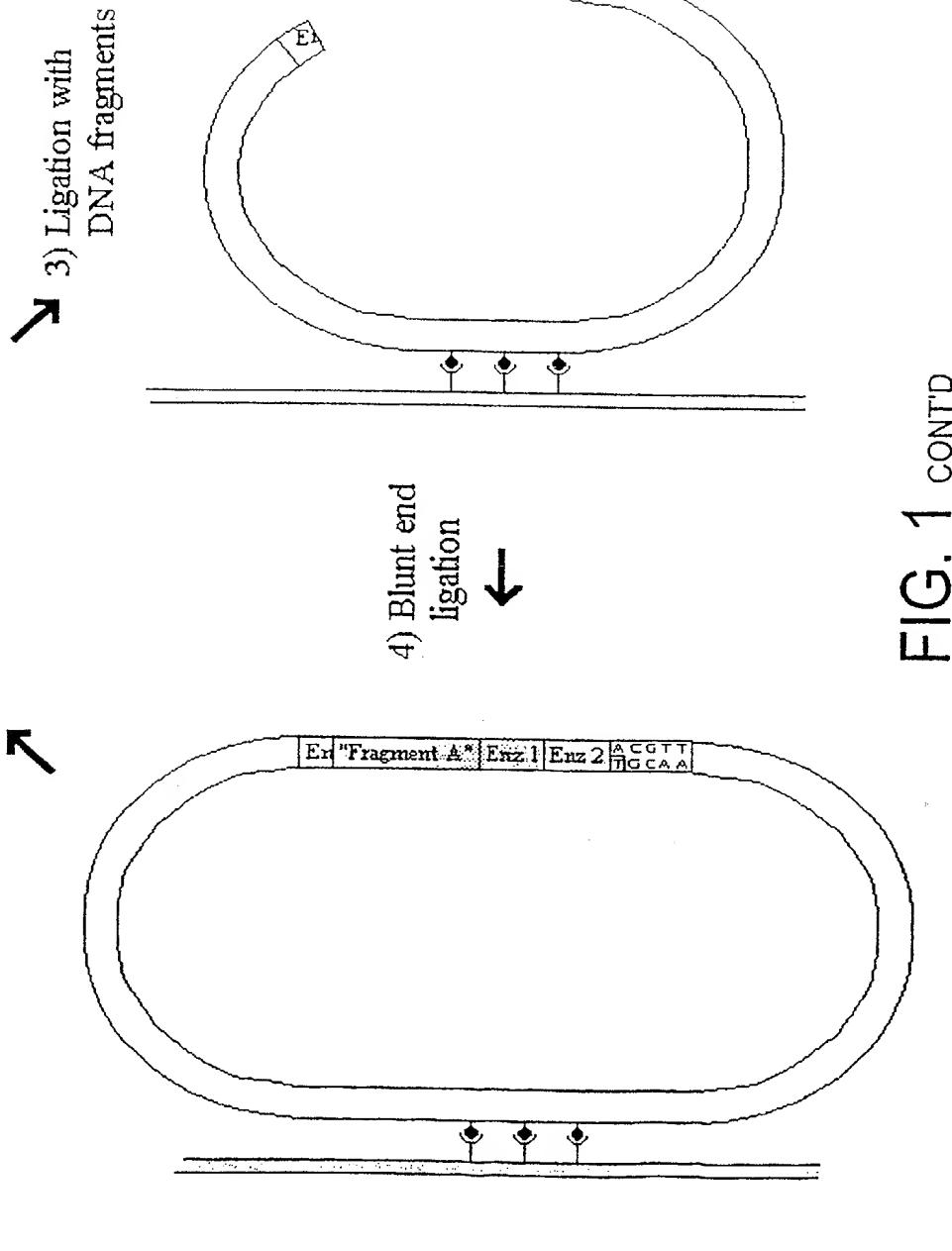


FIG. 1

- 1) Ligate DNA pieces with base vector
- 2) Generate overhangs with Enz1 and Enz2





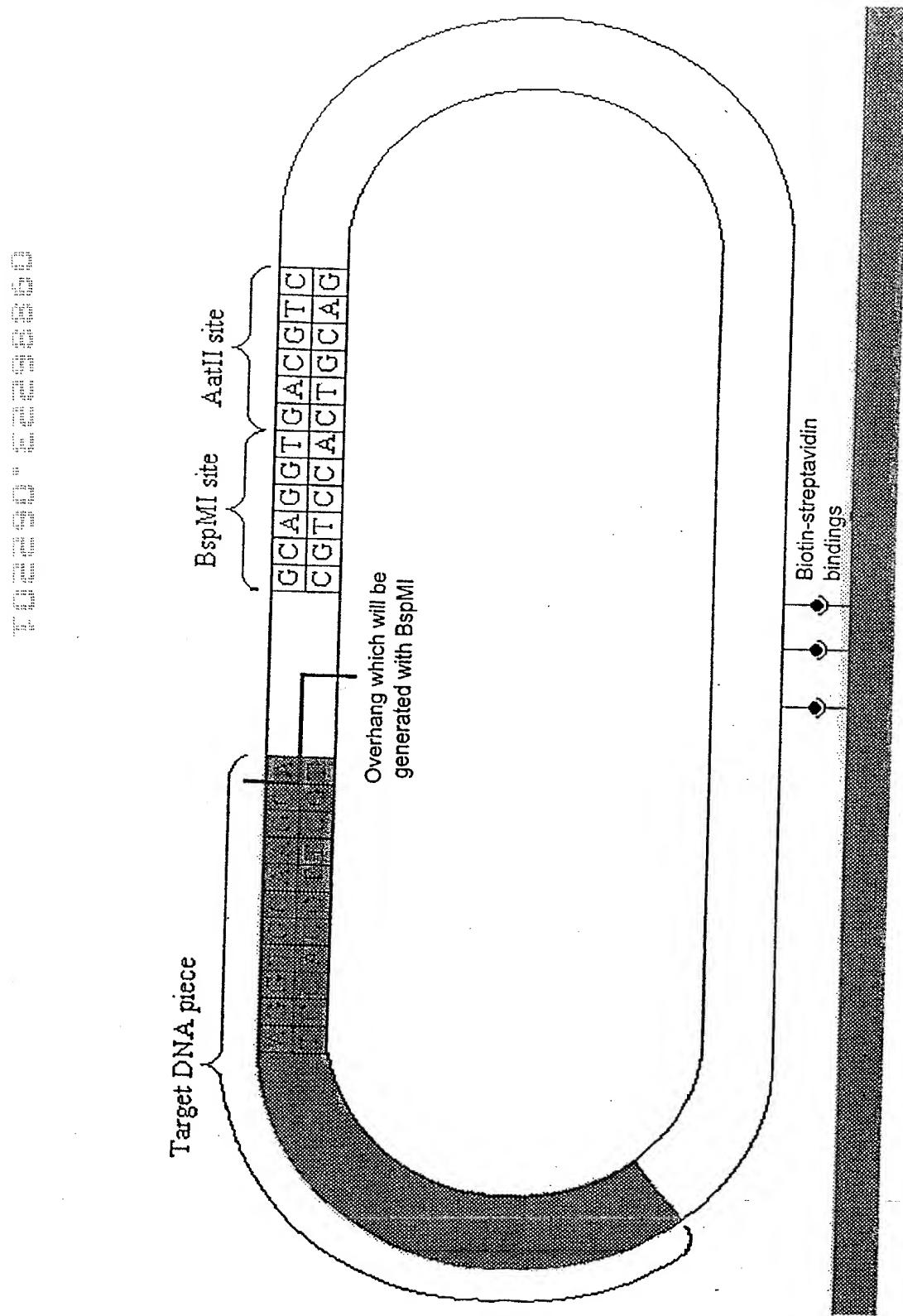


FIG. 2A

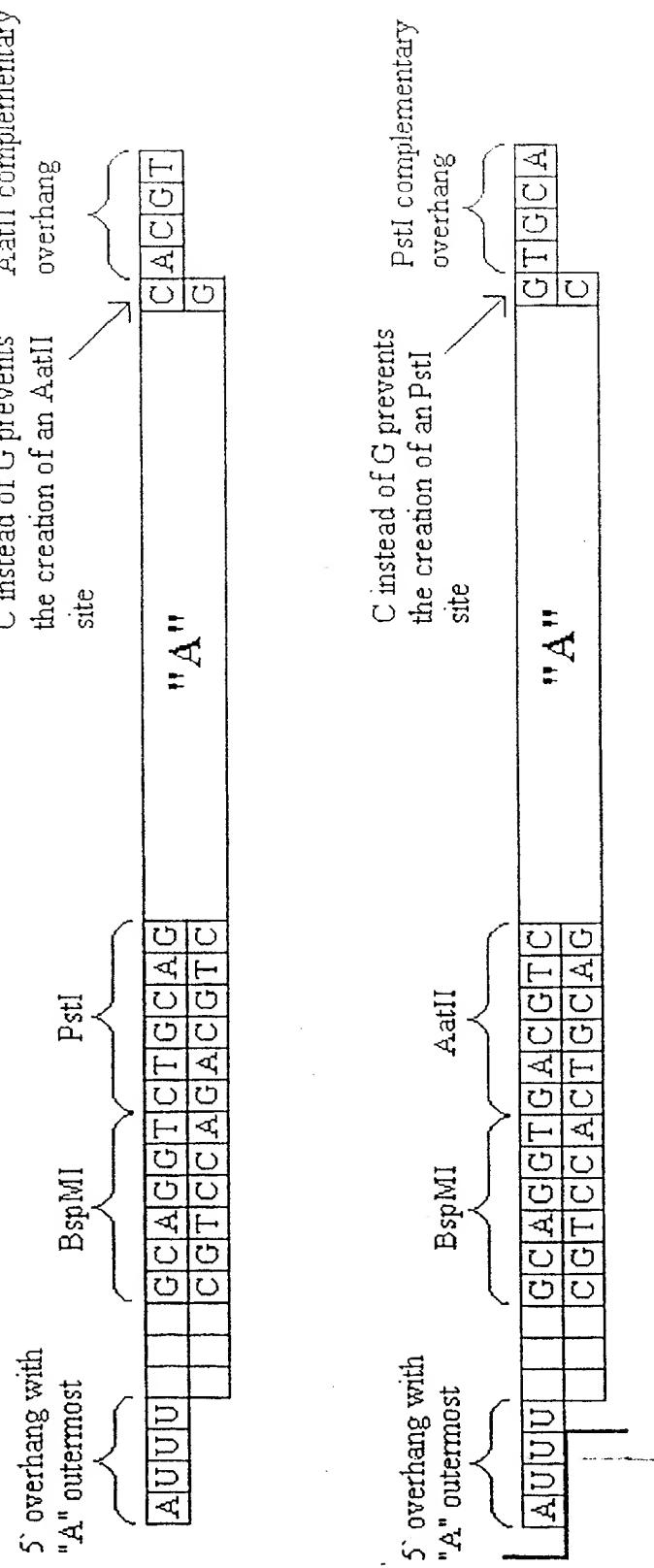
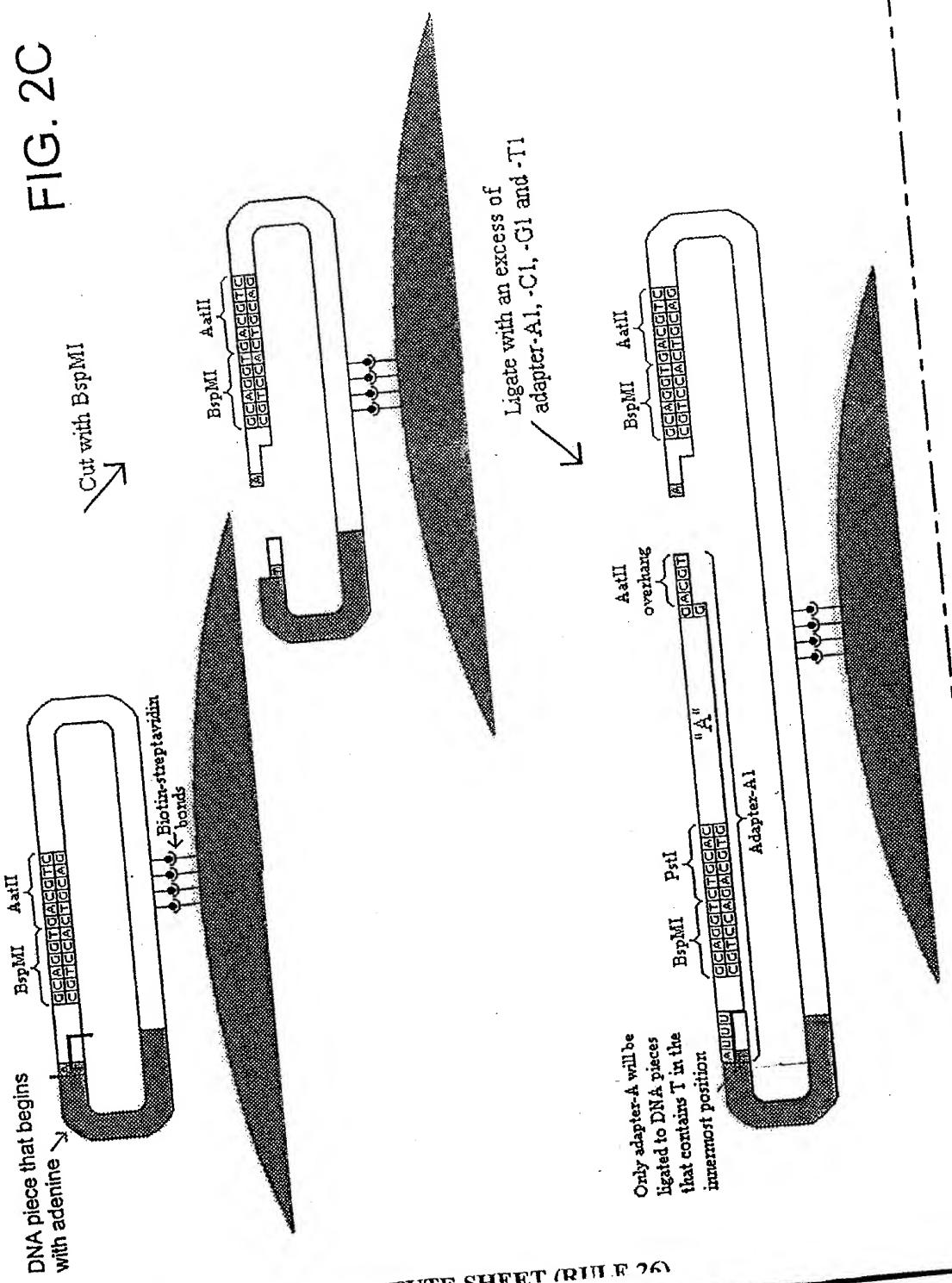


FIG. 2C



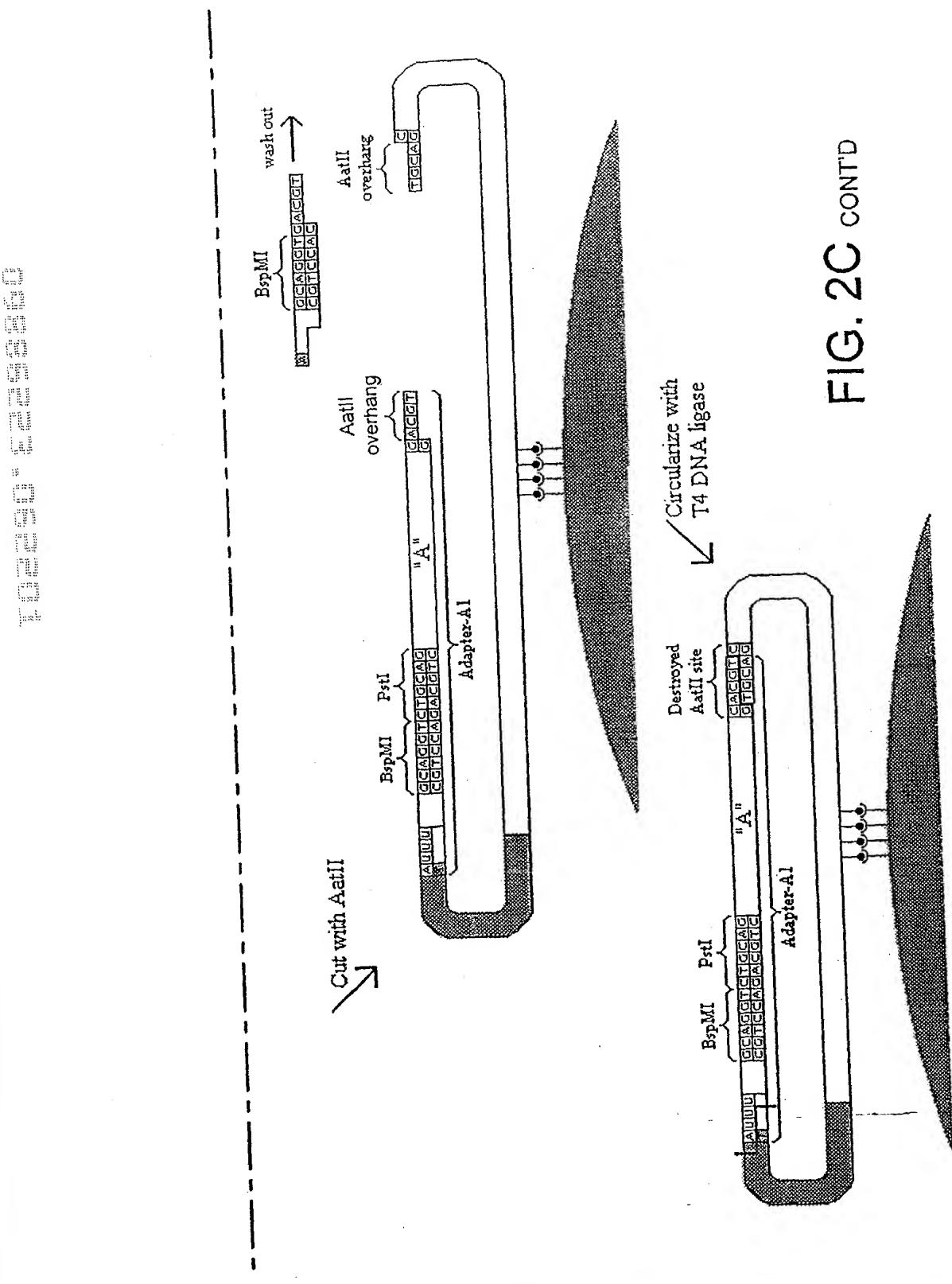


FIG. 2C CONT'D

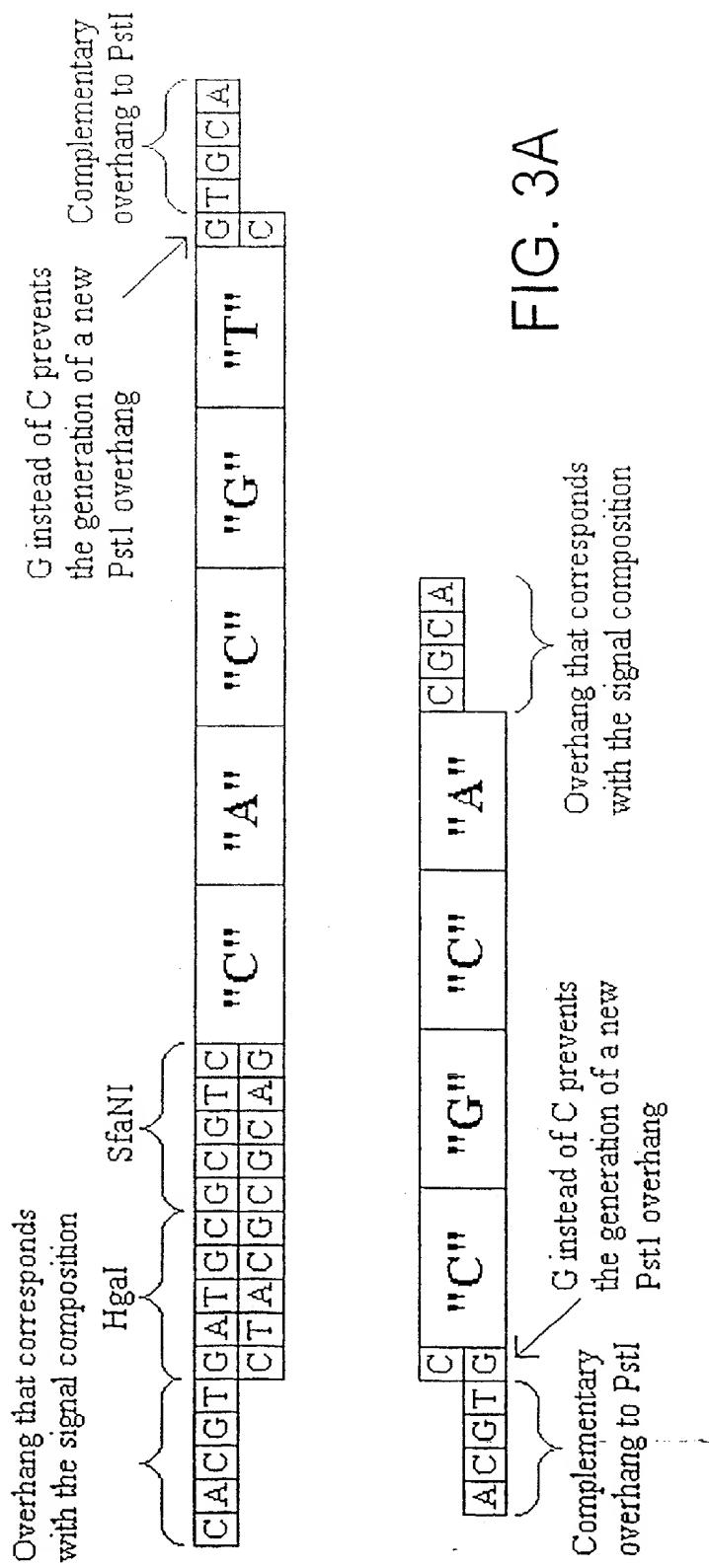
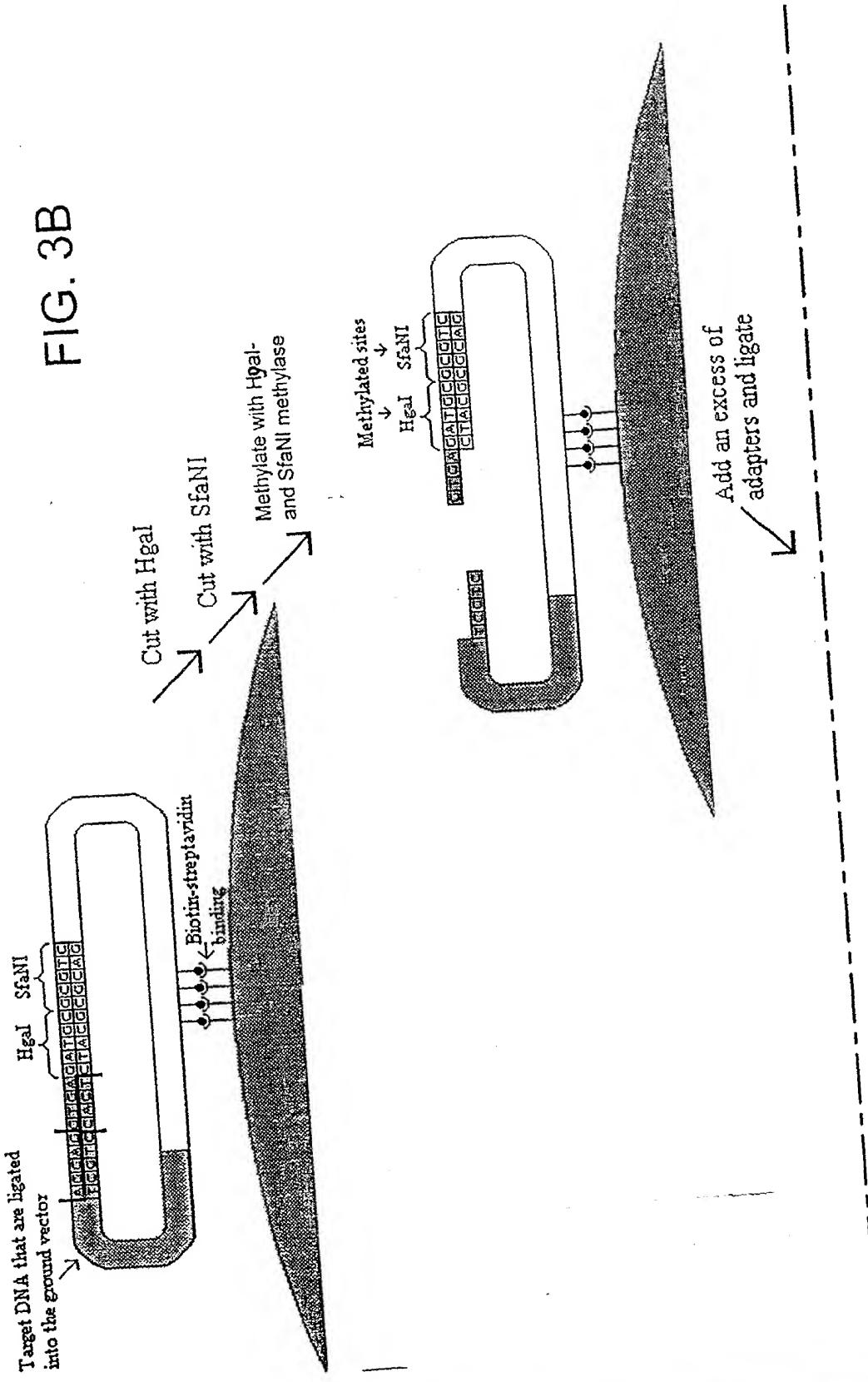


FIG. 3B



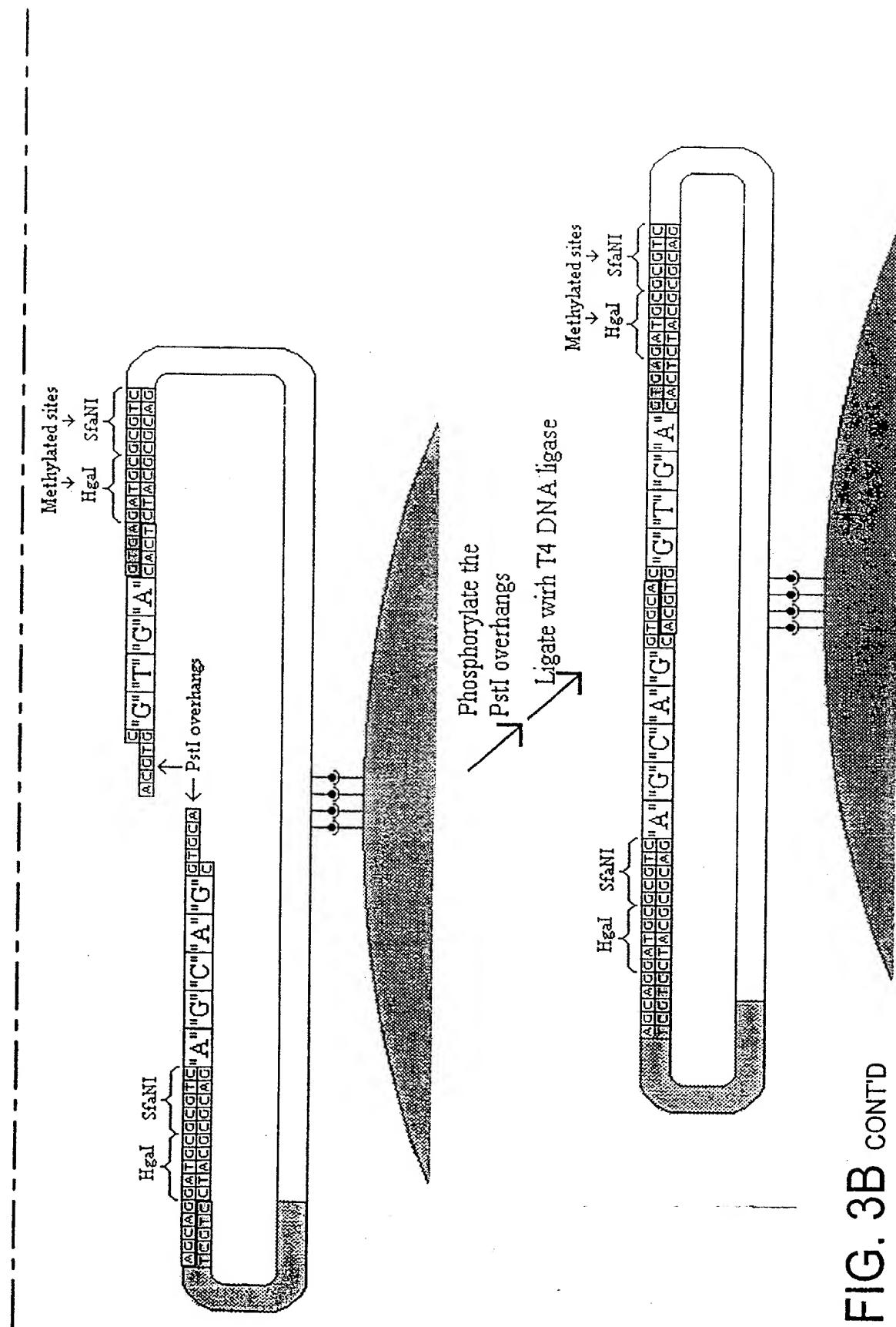


FIG. 3B CONT'D

Diagram illustrating a DNA sequence with restriction sites and a fragmn. "A" overhang.

The DNA sequence is:

A	G	C	T	T
A	C	T	C	C

Annotations:

- Complementary overhang to HindIII: A
- MnII site: GAGG
- PstI site: CTC
- Complementary overhang to AatII: CACGT
- G instead of C prevents the generation of a new AatII overhang
- Complementary overhang to AatII: G

Fragmn. "A" is shown as:

C	A	C	G	T
G				

FIG. 4A

FIG. 4B

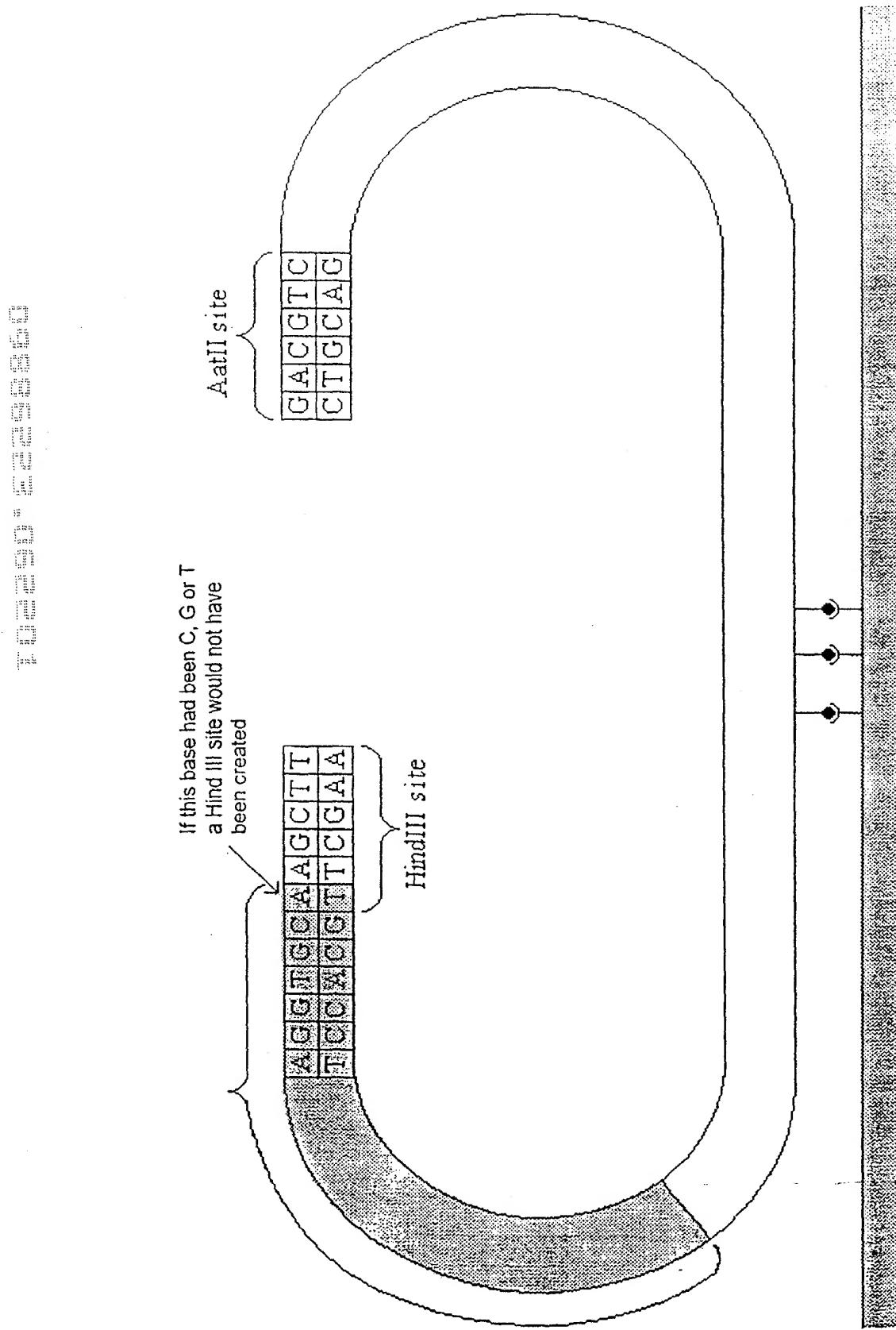
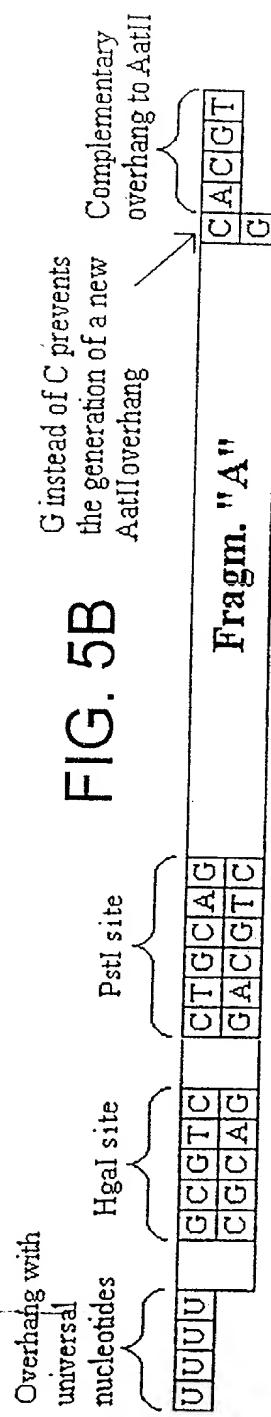
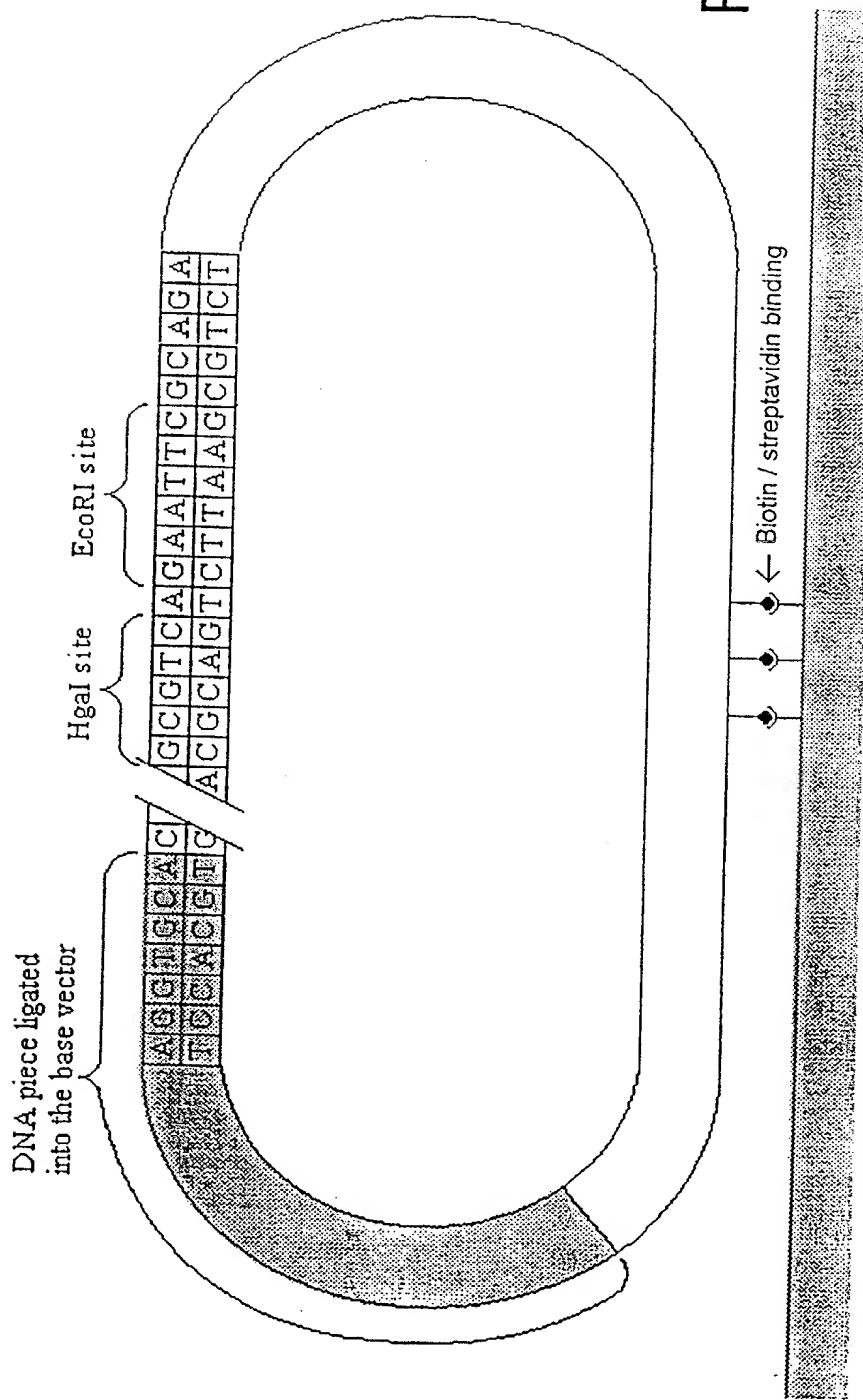


FIG. 4C



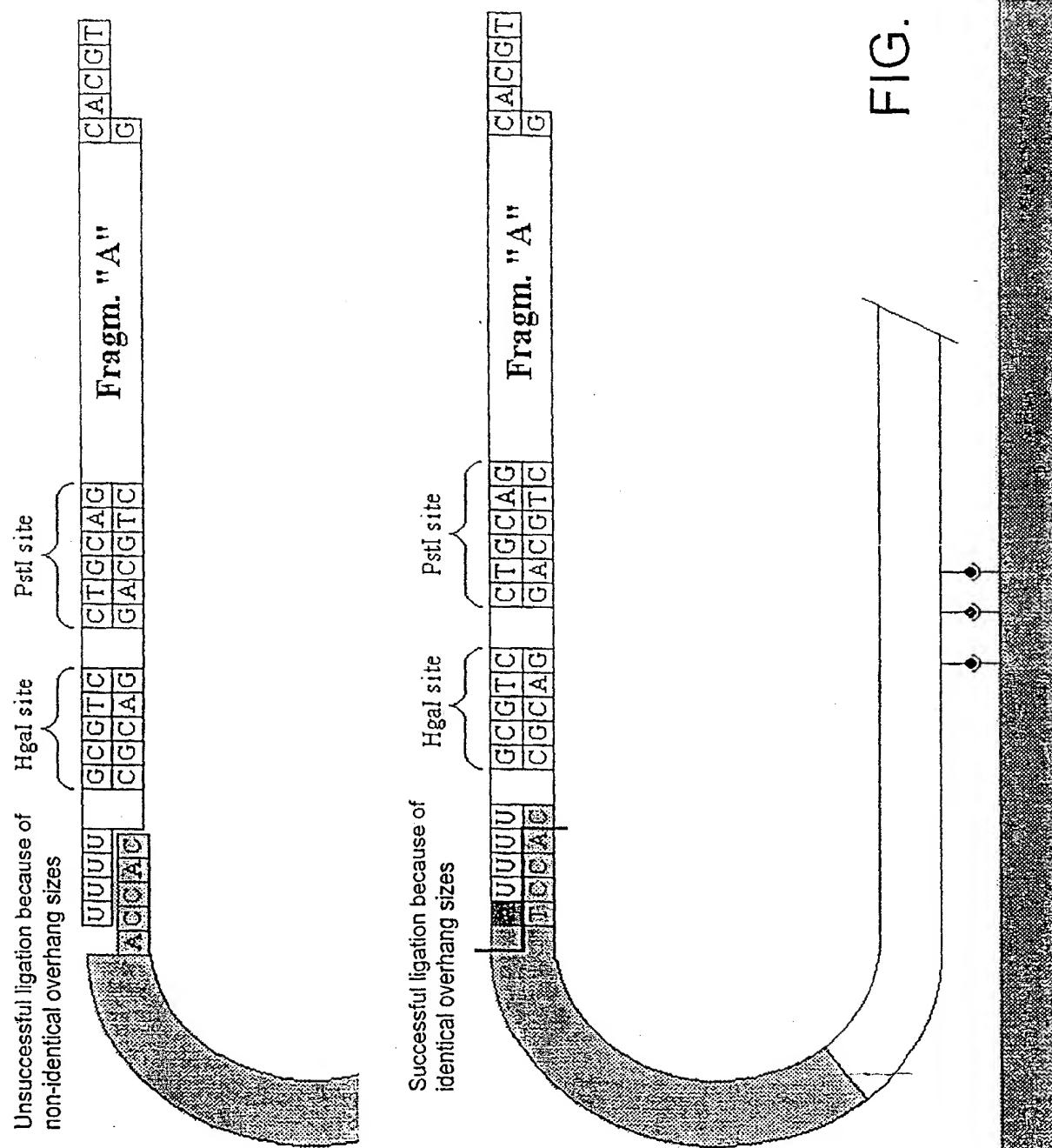
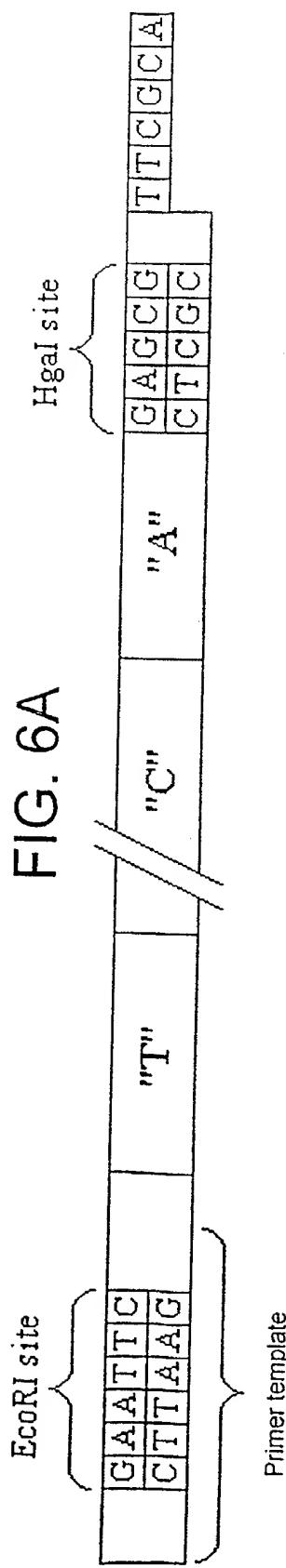


FIG. 6A



Adapter

DNA piece

Primer-template

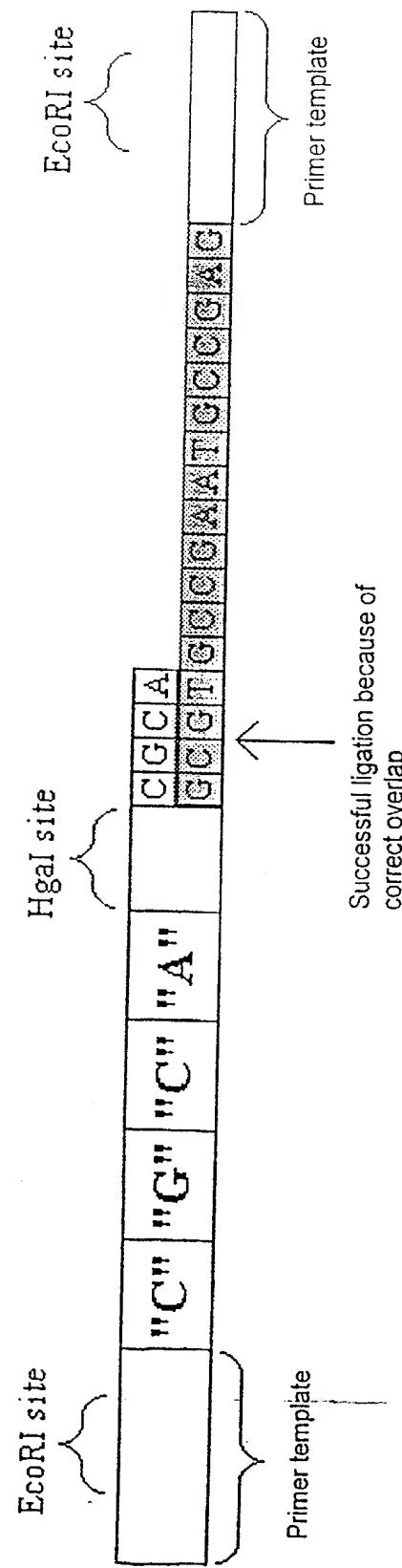


FIG. 6B

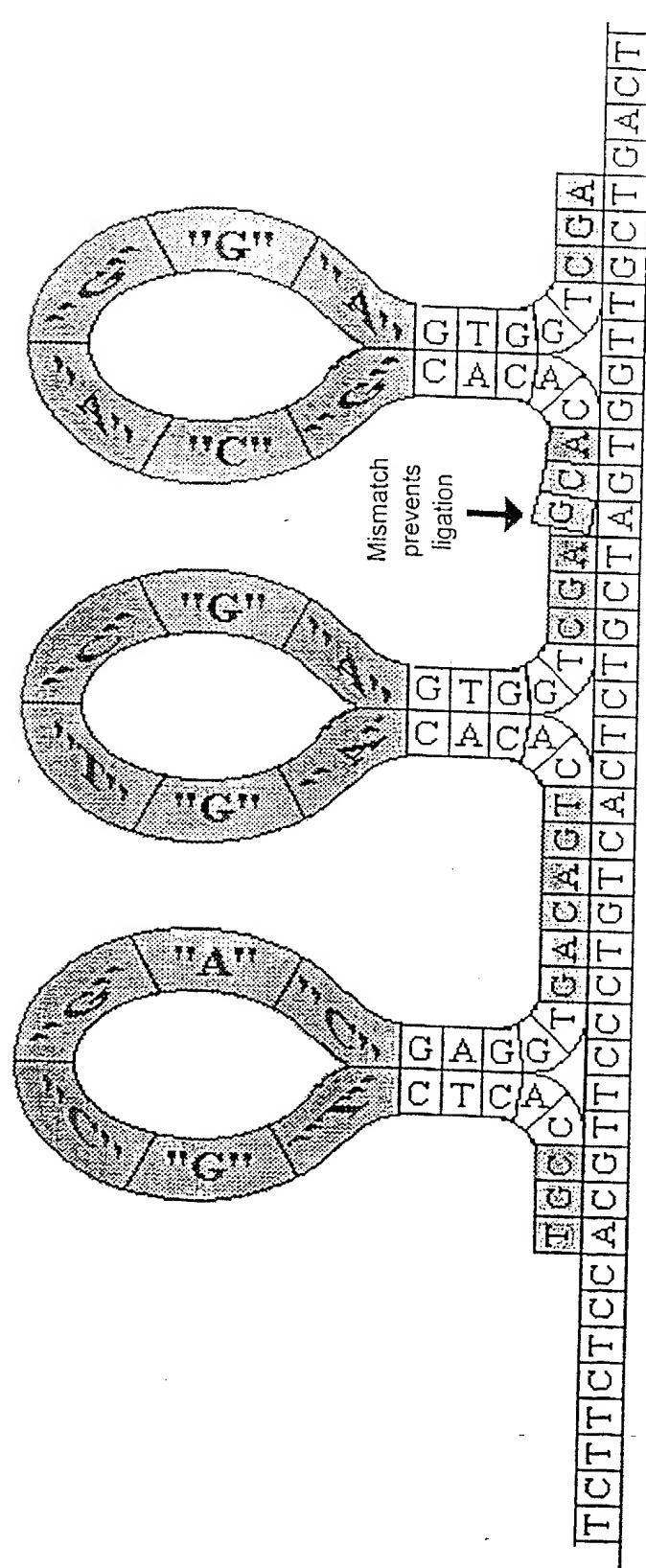


FIG. 7

~~AccRI~~ | Fragment "A" | BseMI | A

A | Fragment "A" | EcoRI

~~AccRI~~ | Fragment "C" | BseMI | C

C | Fragment "C" | EcoRI

~~AccRI~~ | Fragment "G" | BseMI | G

G | Fragment "G" | EcoRI

~~AccRI~~ | Fragment "T" | BseMI | T

T | Fragment "T" | EcoRI

↓
Ligate

~~AccRI~~ | Fragment "A" | BseMI | A|G| Fragment "G" | EcoRI

↓
Cut with EcoRI

~~AccRI~~ | Fragment "A" | BseMI | A|G| Fragment "G" | EcoRI | ~~AccRI~~

↓
Ligate and cut
thereafter with
Bse MI

A|G| Fragment "G" | EcoRI | Fragment "A" | BseMI |

FIG. 8

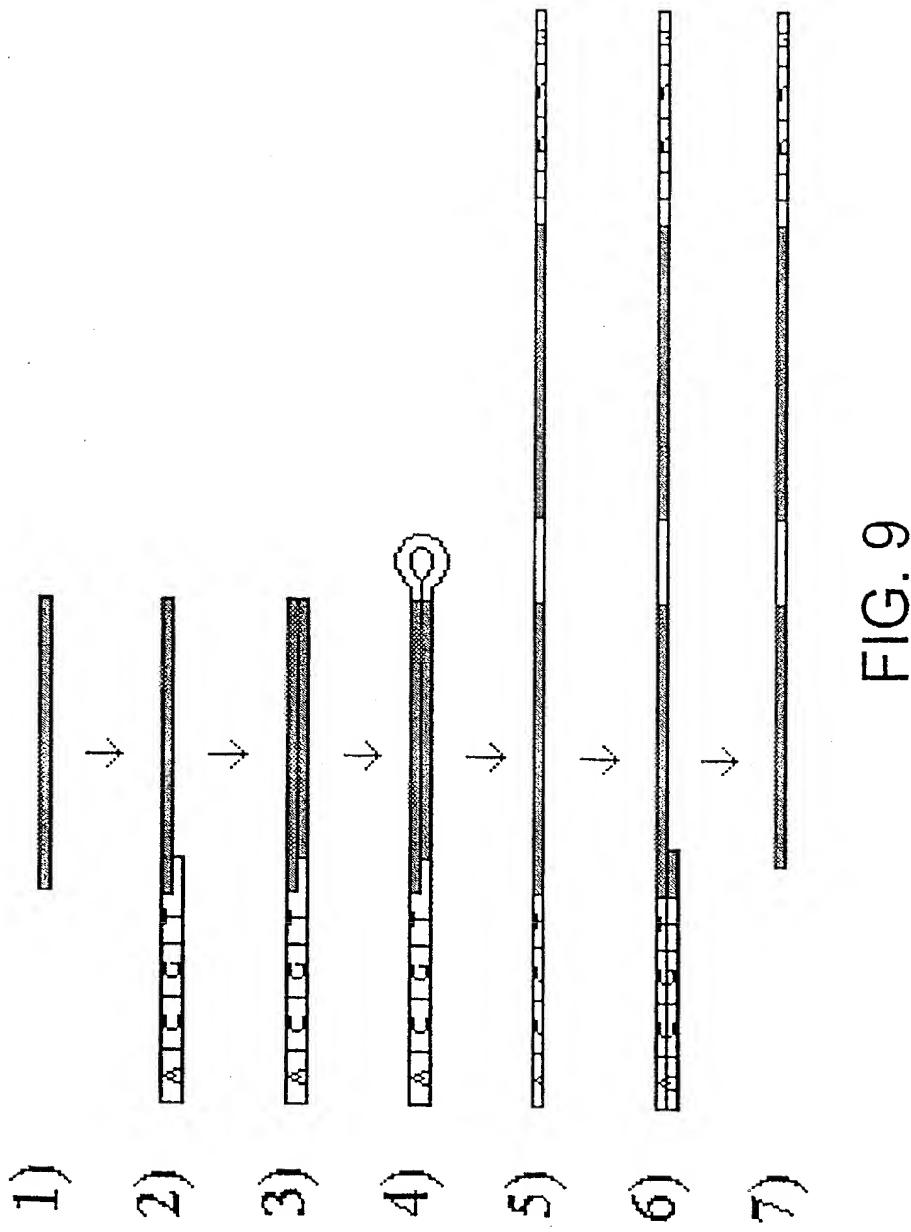
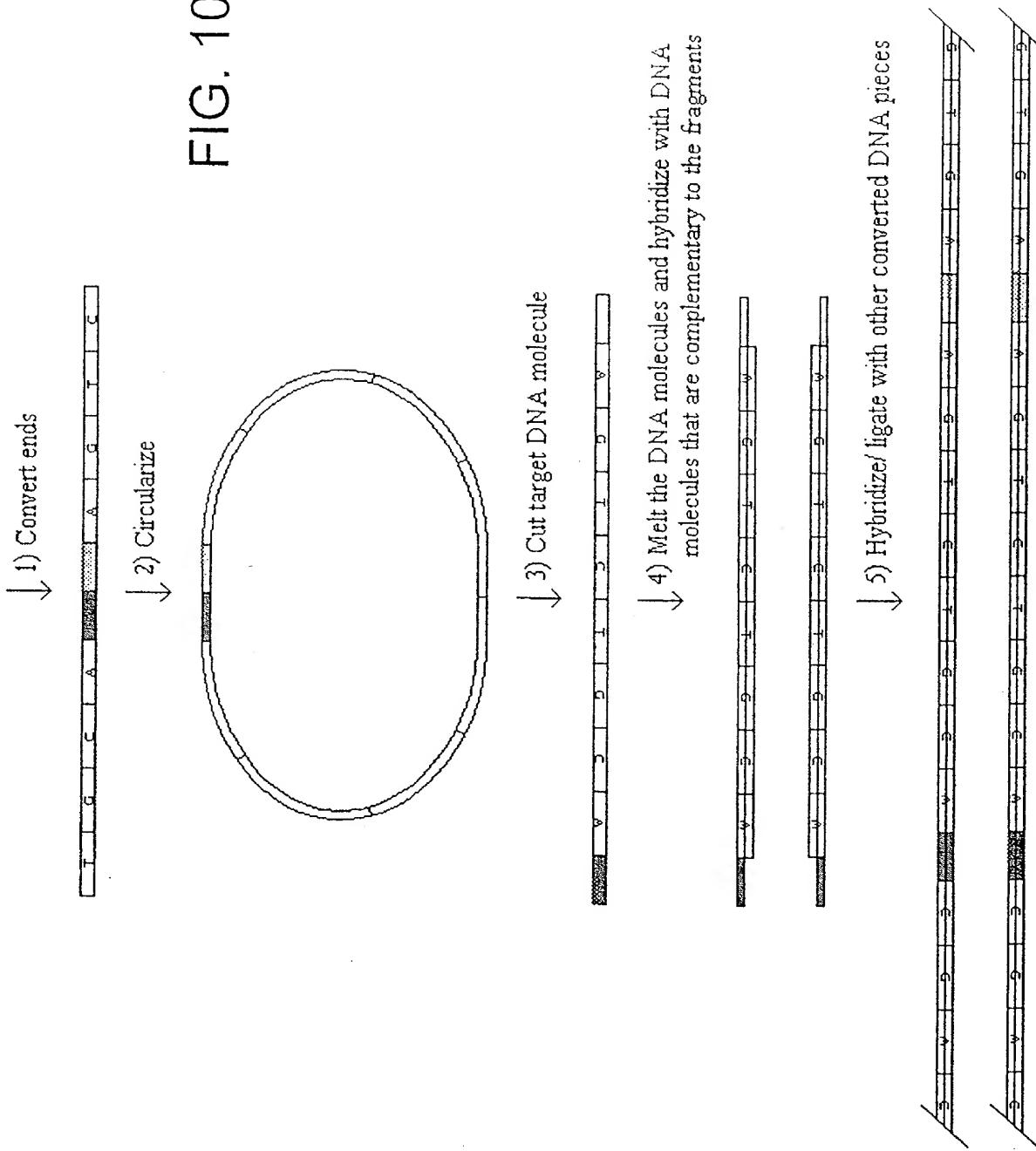


FIG. 9

FIG. 10



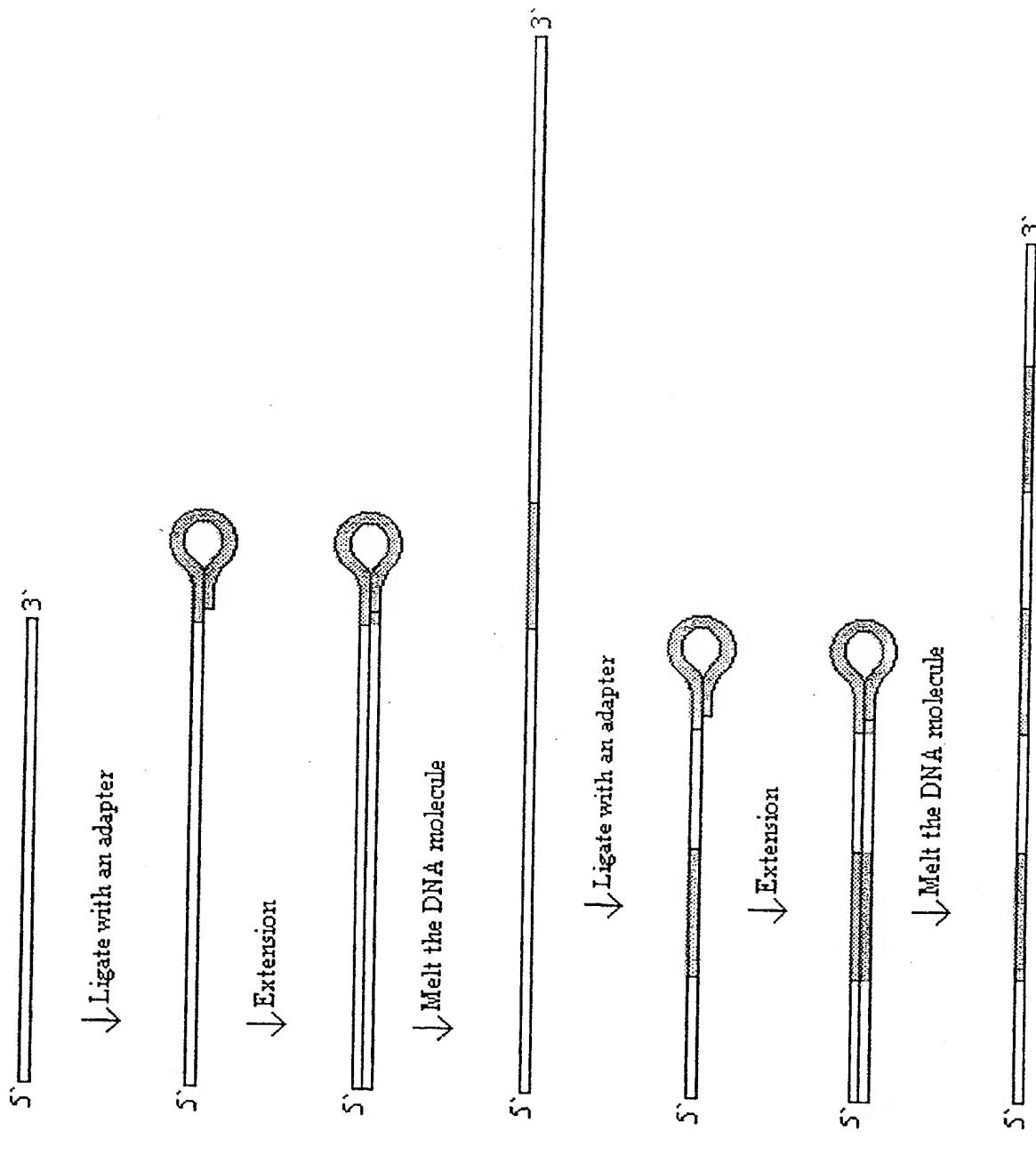


FIG. 11

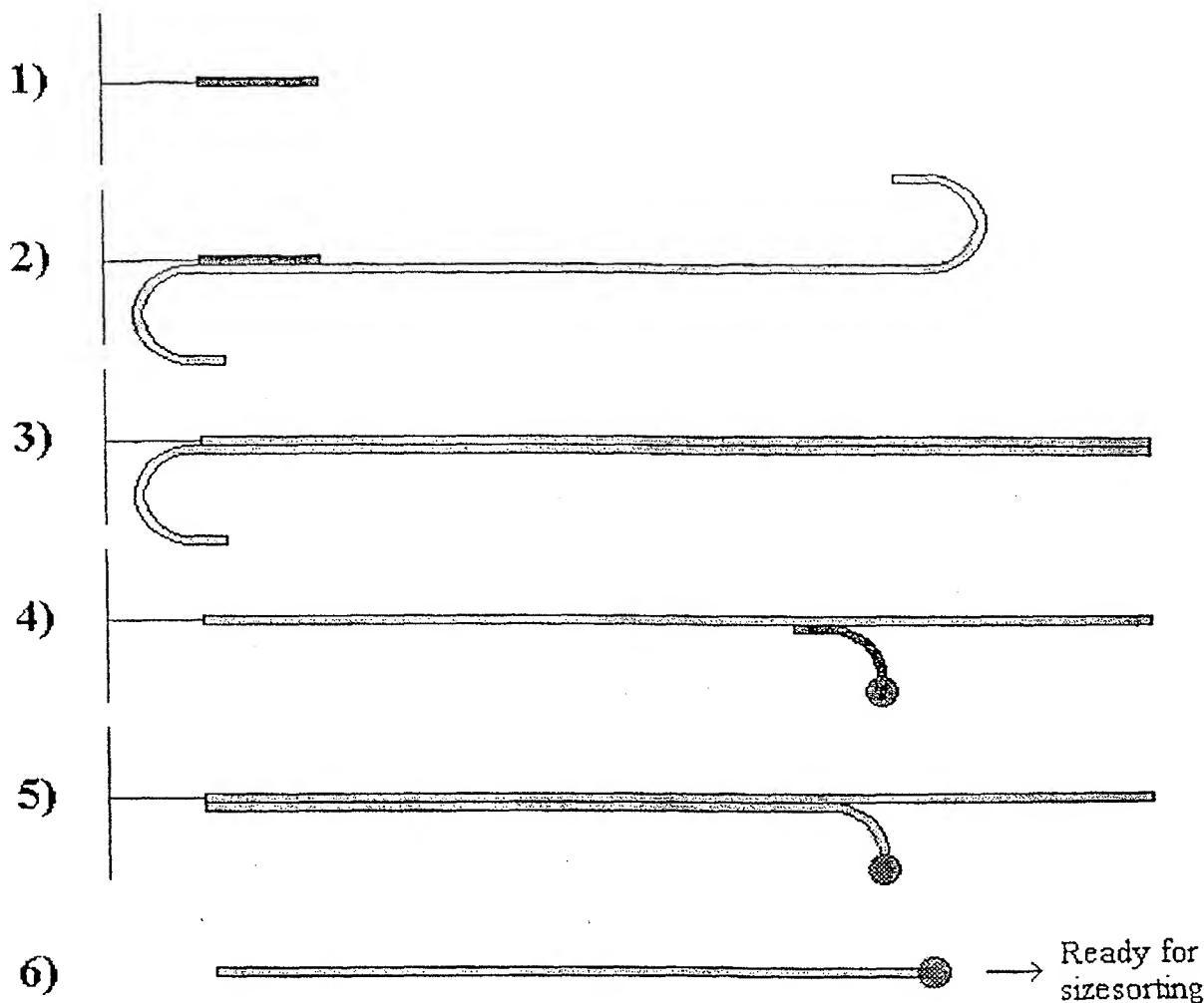


FIG. 12A

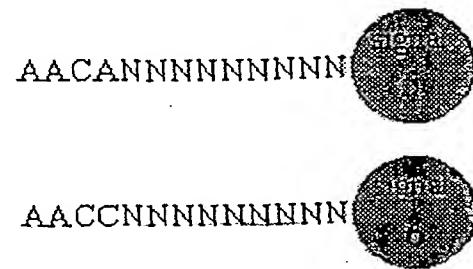
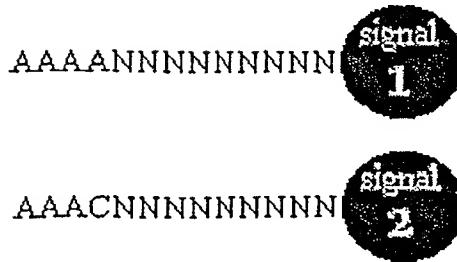
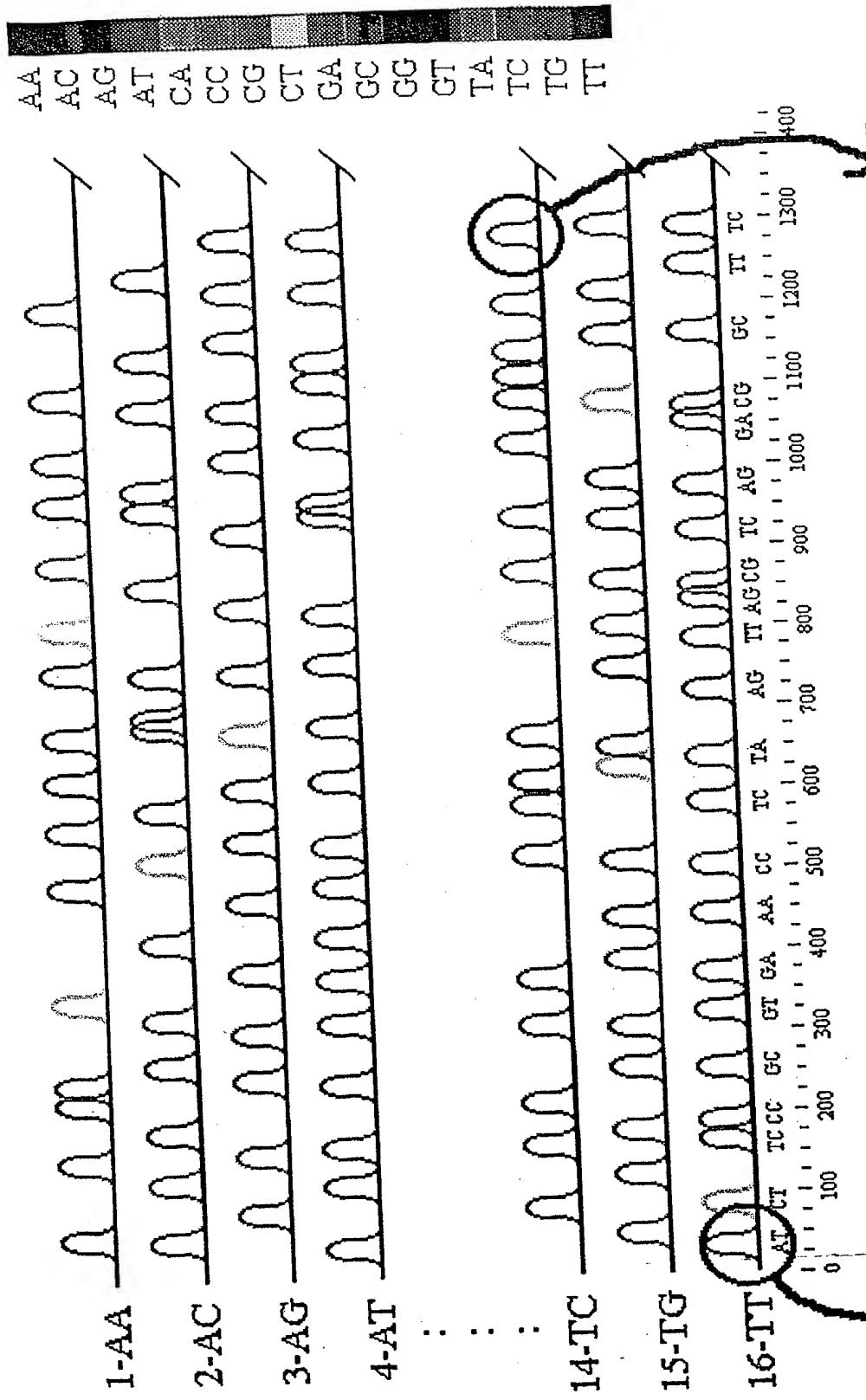


FIG. 12B

FIG. 12C



Target sequence contains the sequence-
piece TTAT somewhere between 25 and 50bp
from the sequencing primer

Target sequence contains the sequence-
piece TCTT somewhere between 1275 and 1300bp
from the sequencing primer

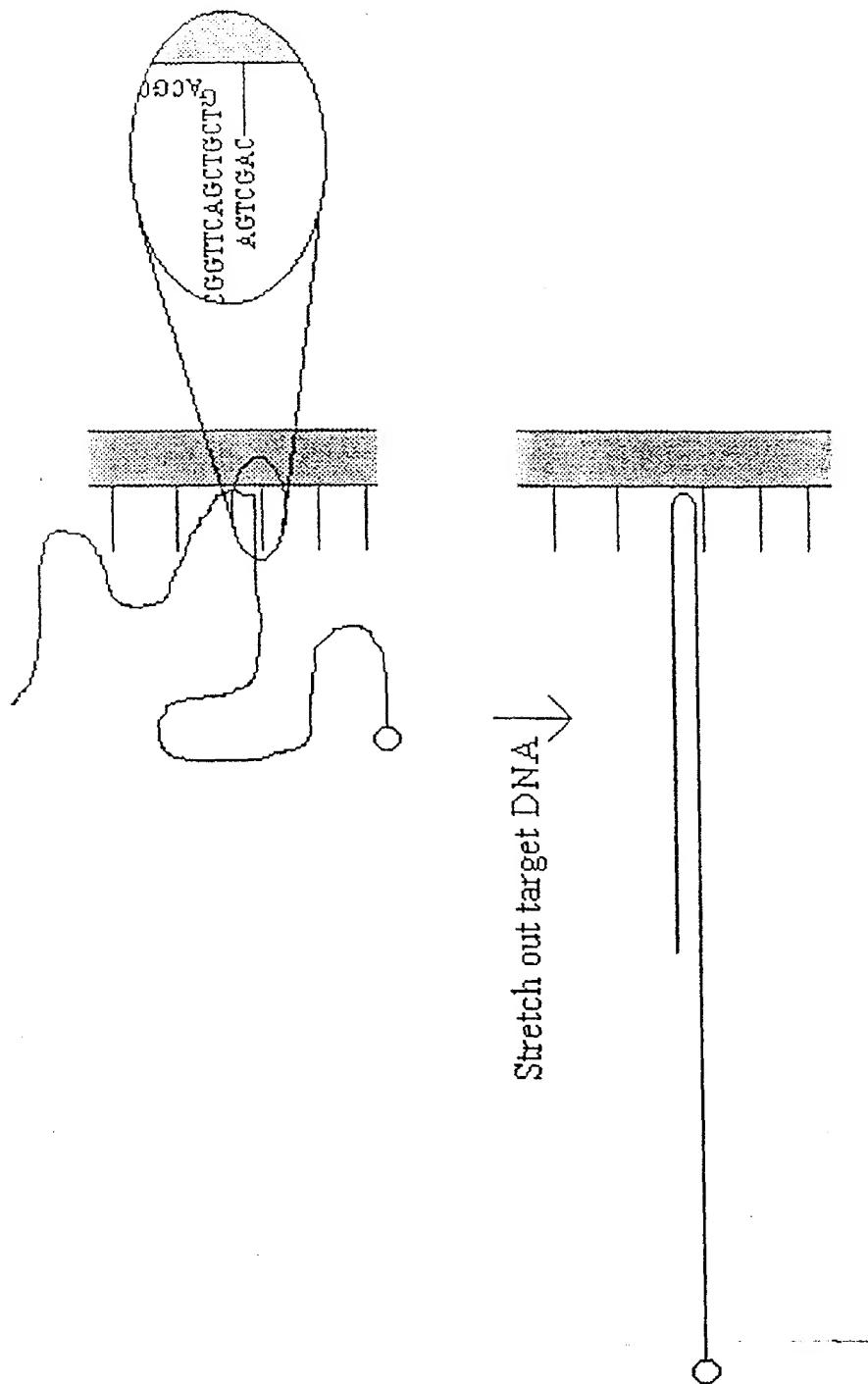


FIG. 13A

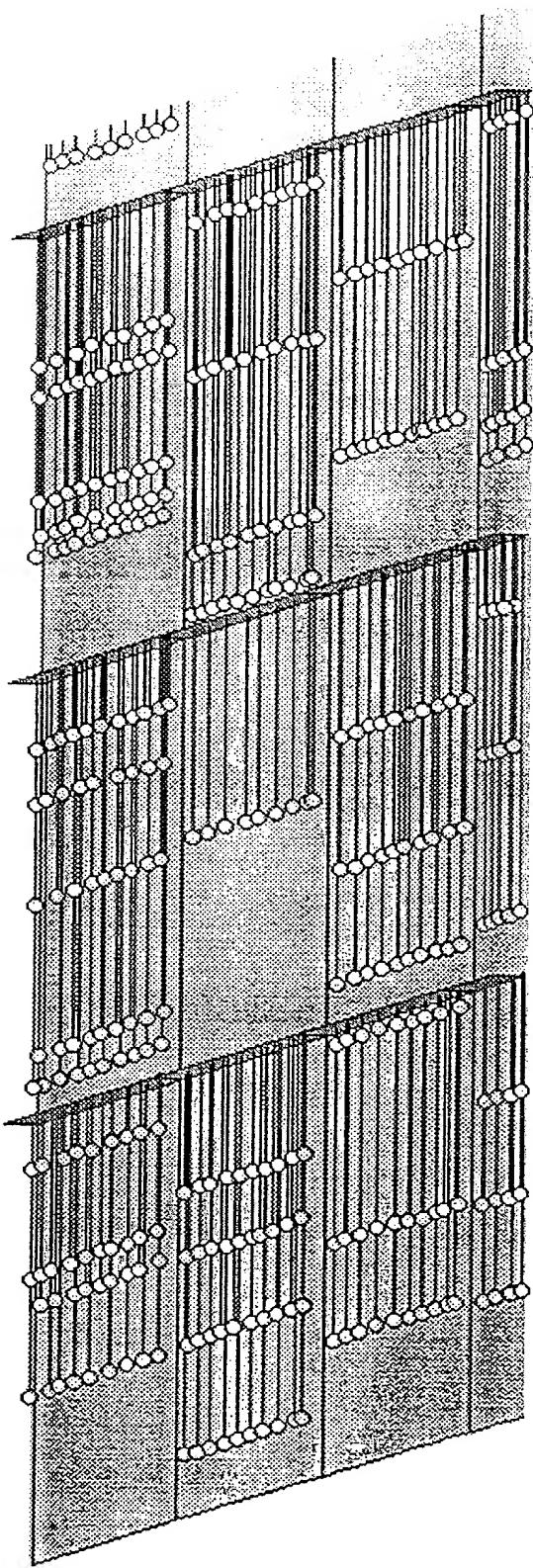


FIG. 13B

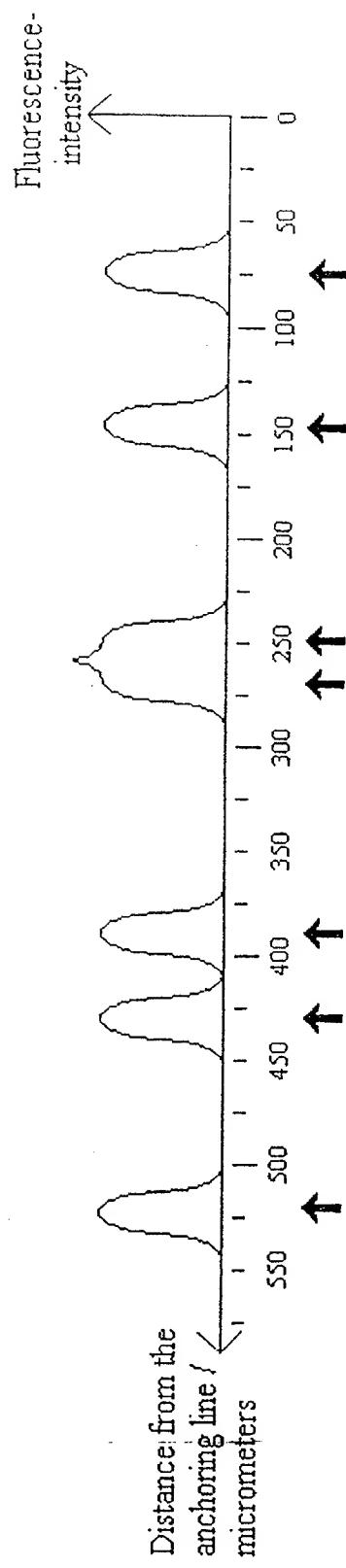


FIG. 13C

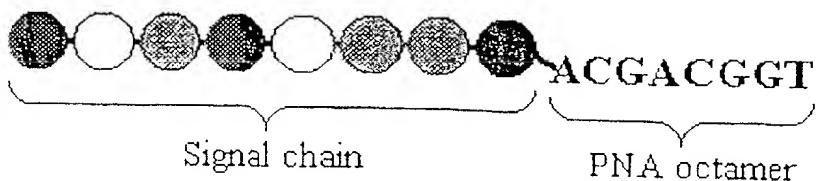


FIG. 14A

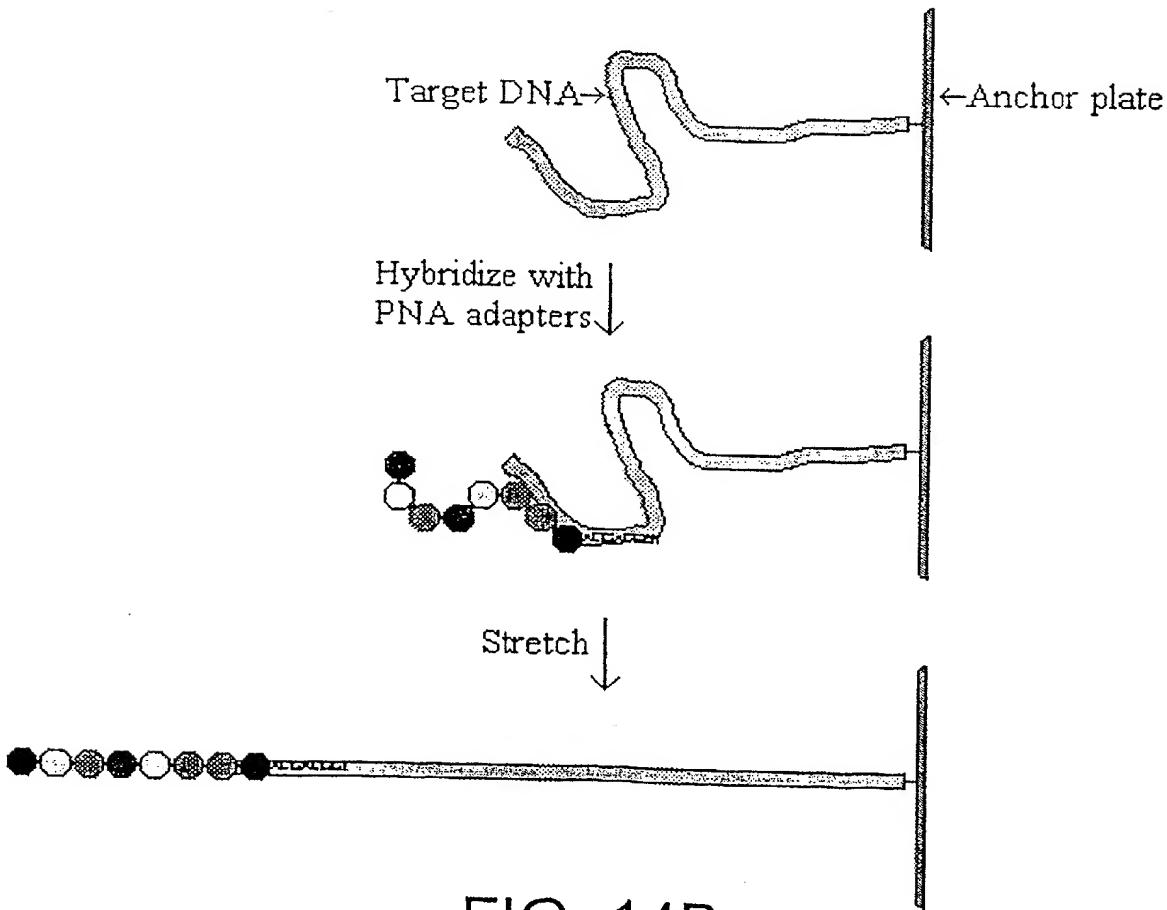


FIG. 14B

Anchor
plate

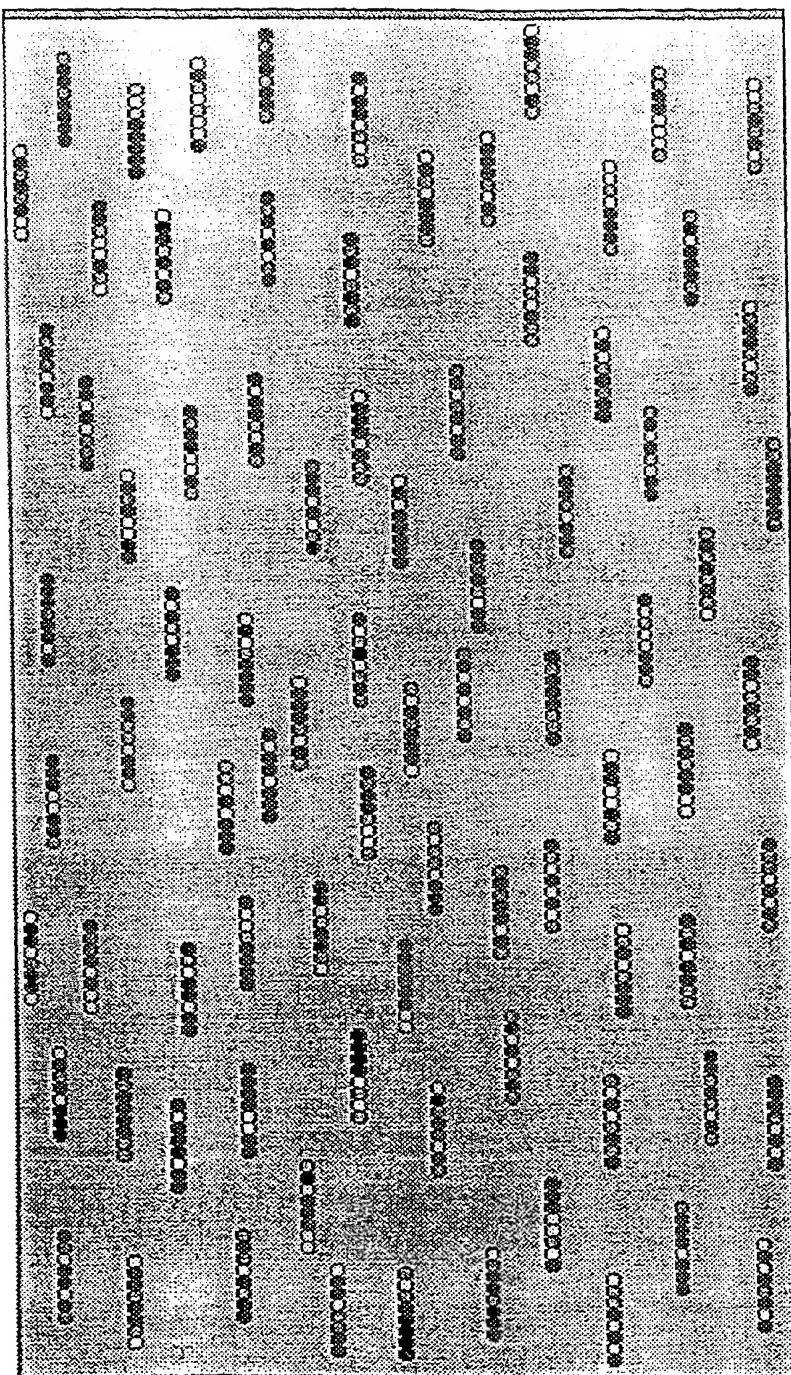


FIG. 14C

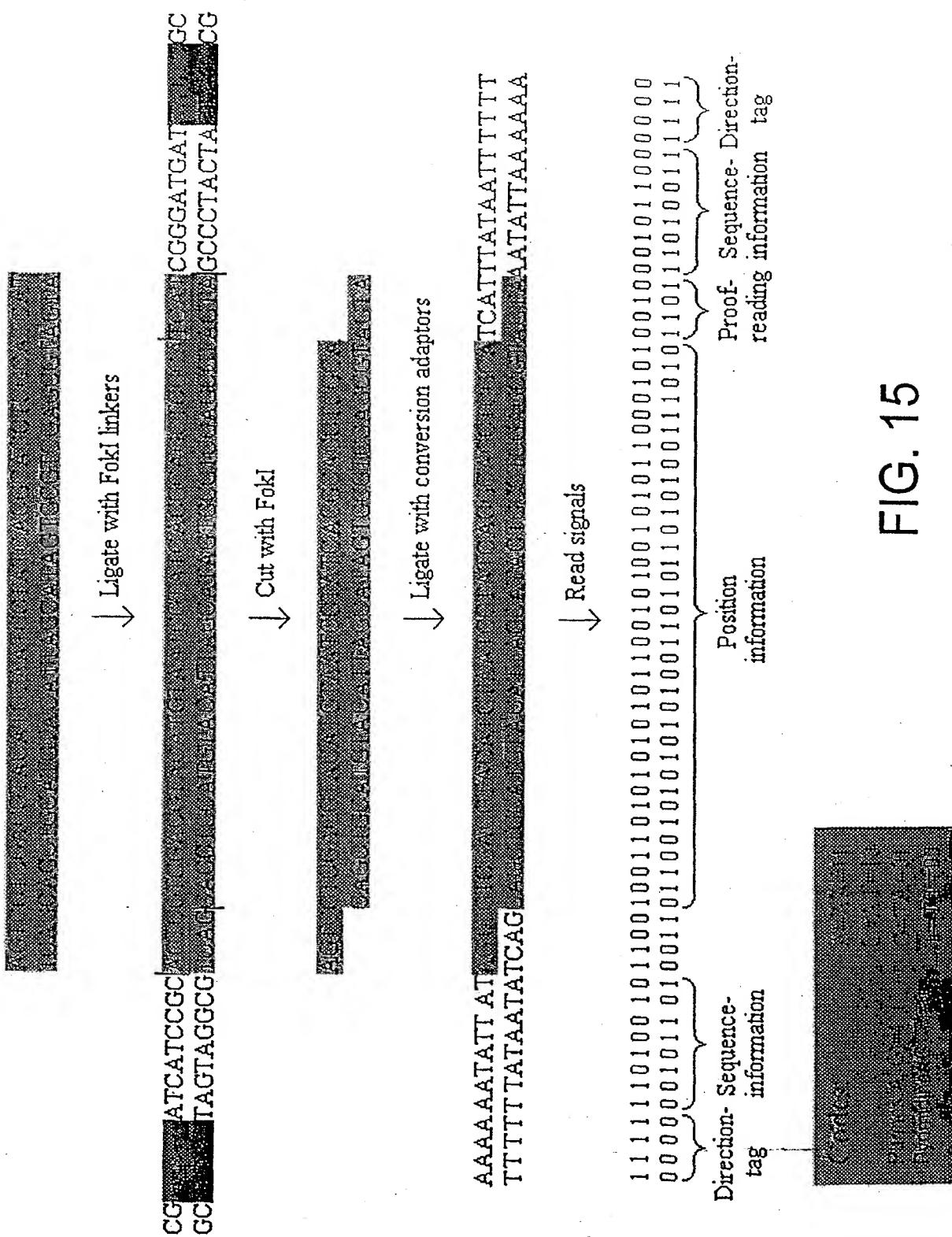


FIG. 15

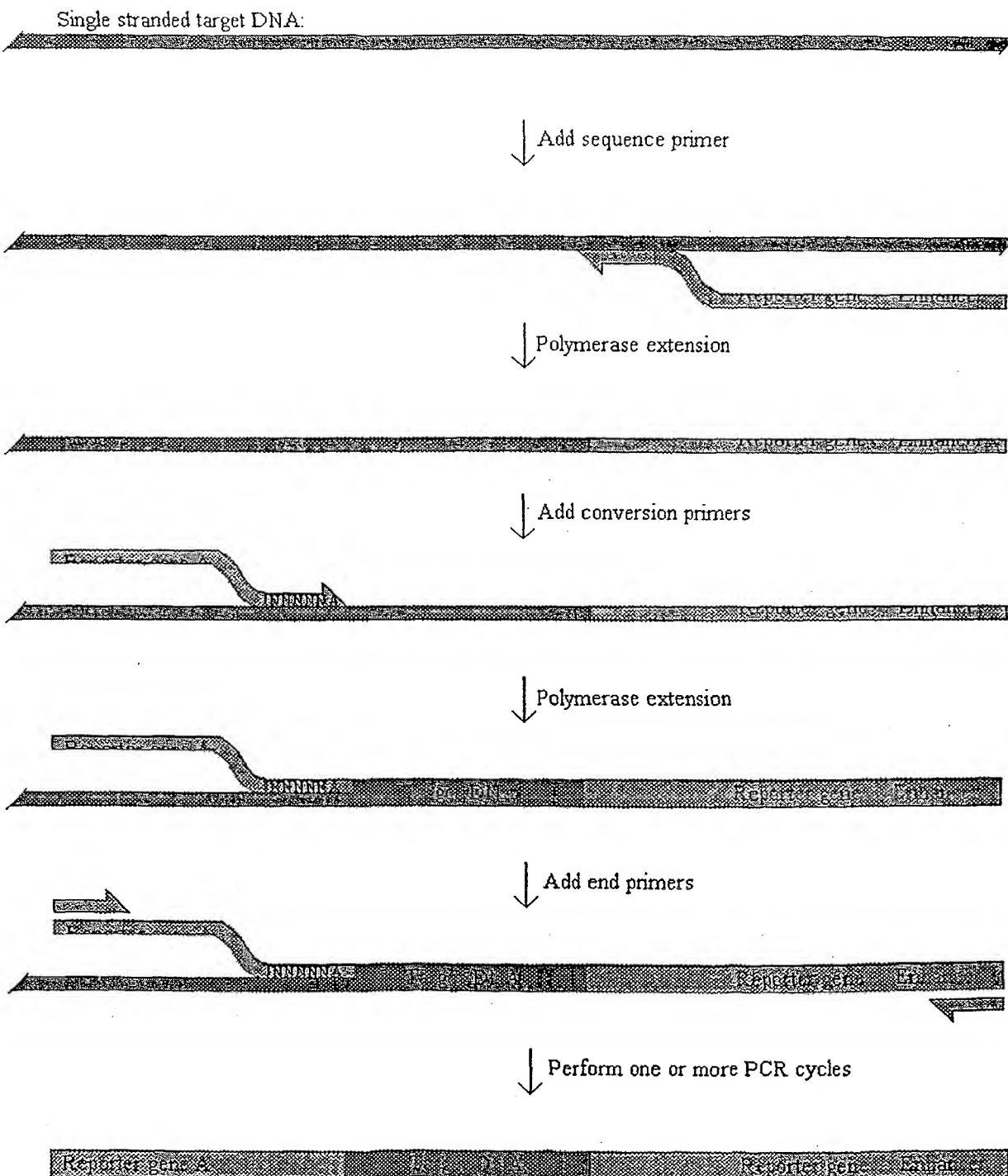


FIG. 16A

Number of cells

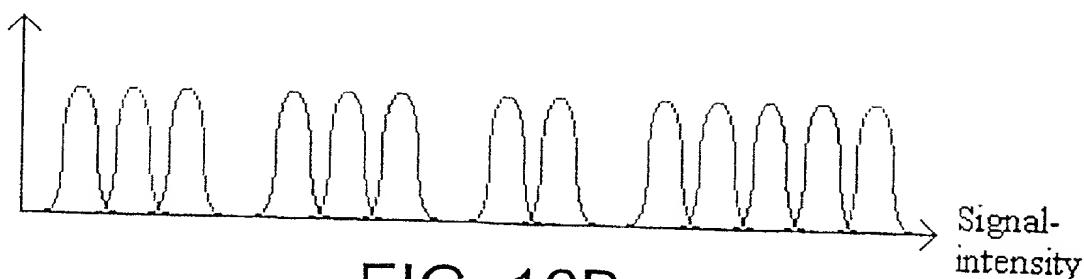


FIG. 16B

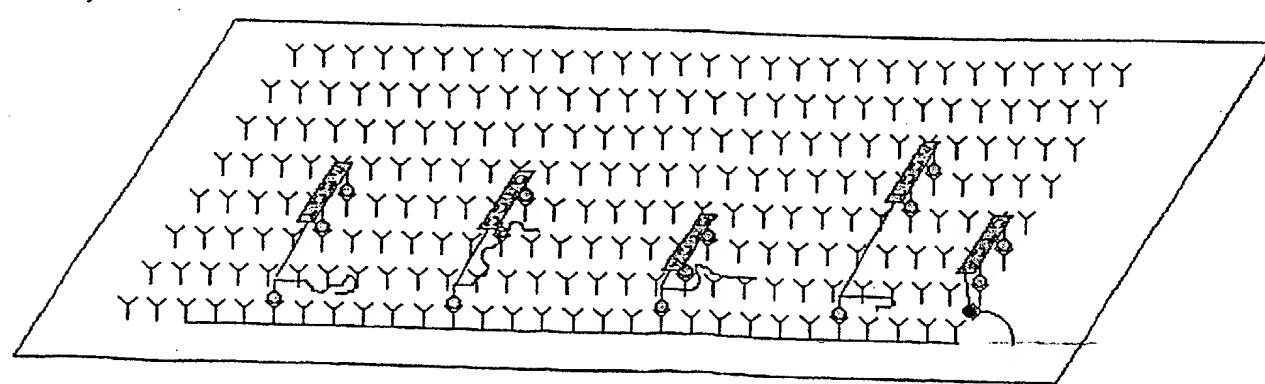
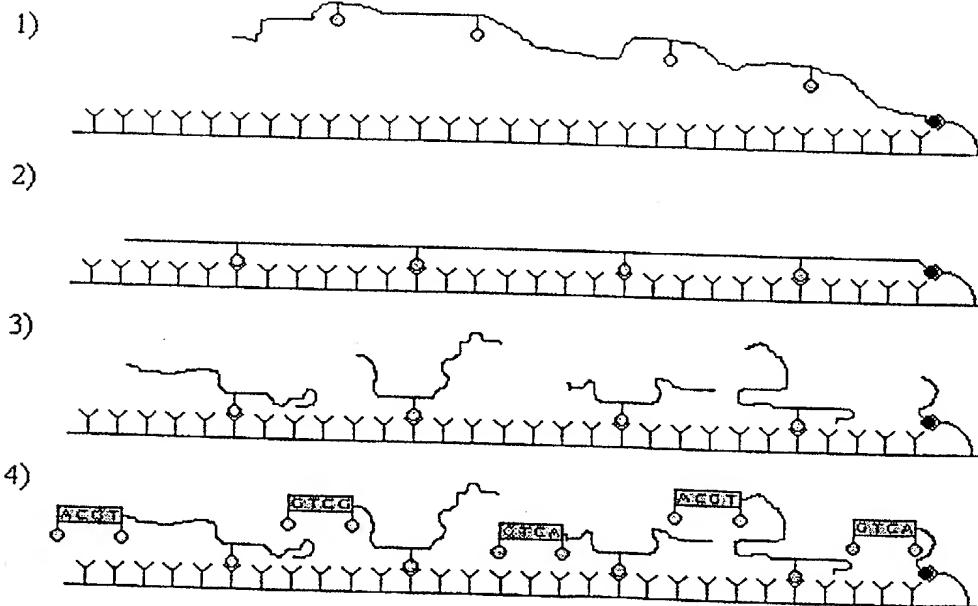


FIG. 18

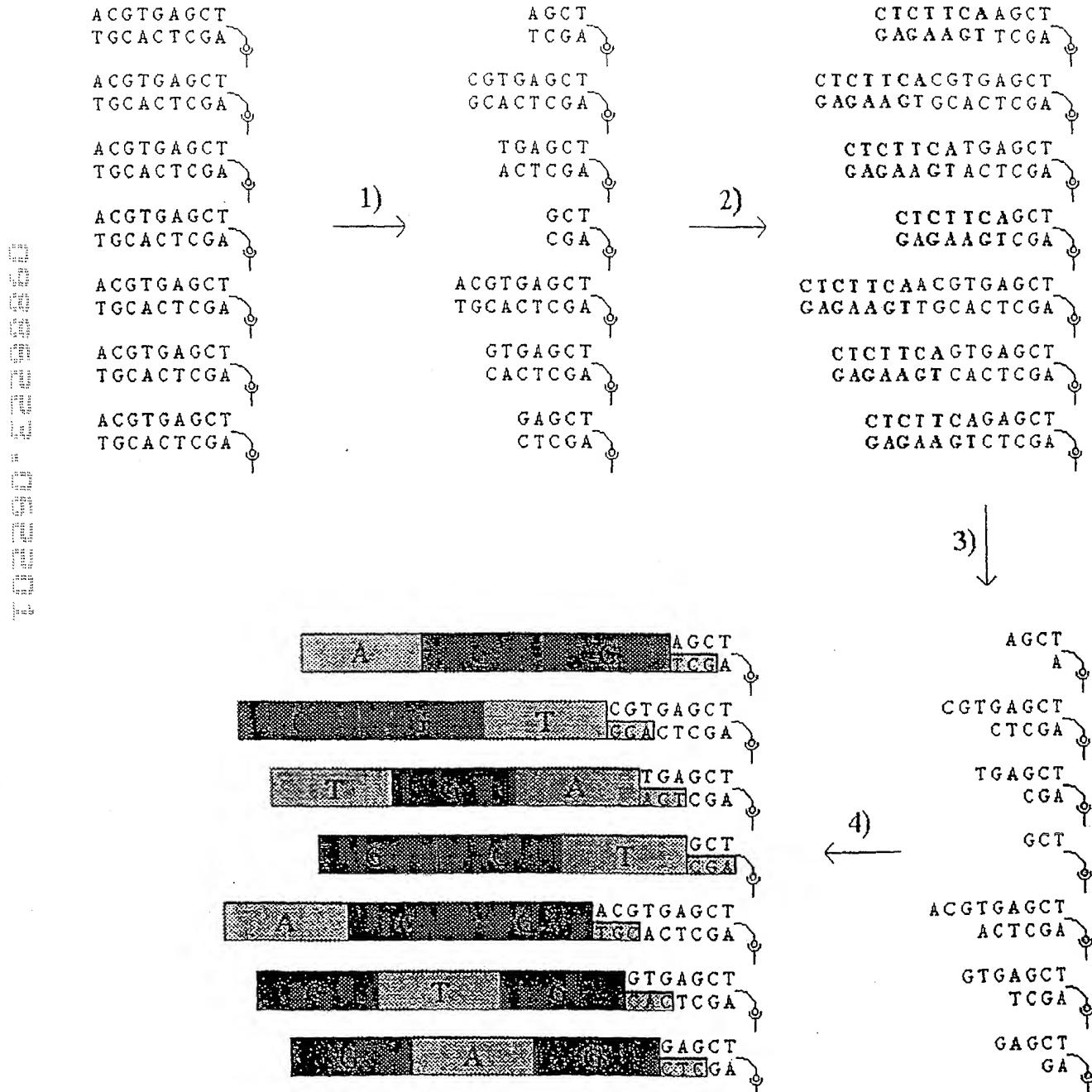


FIG. 17

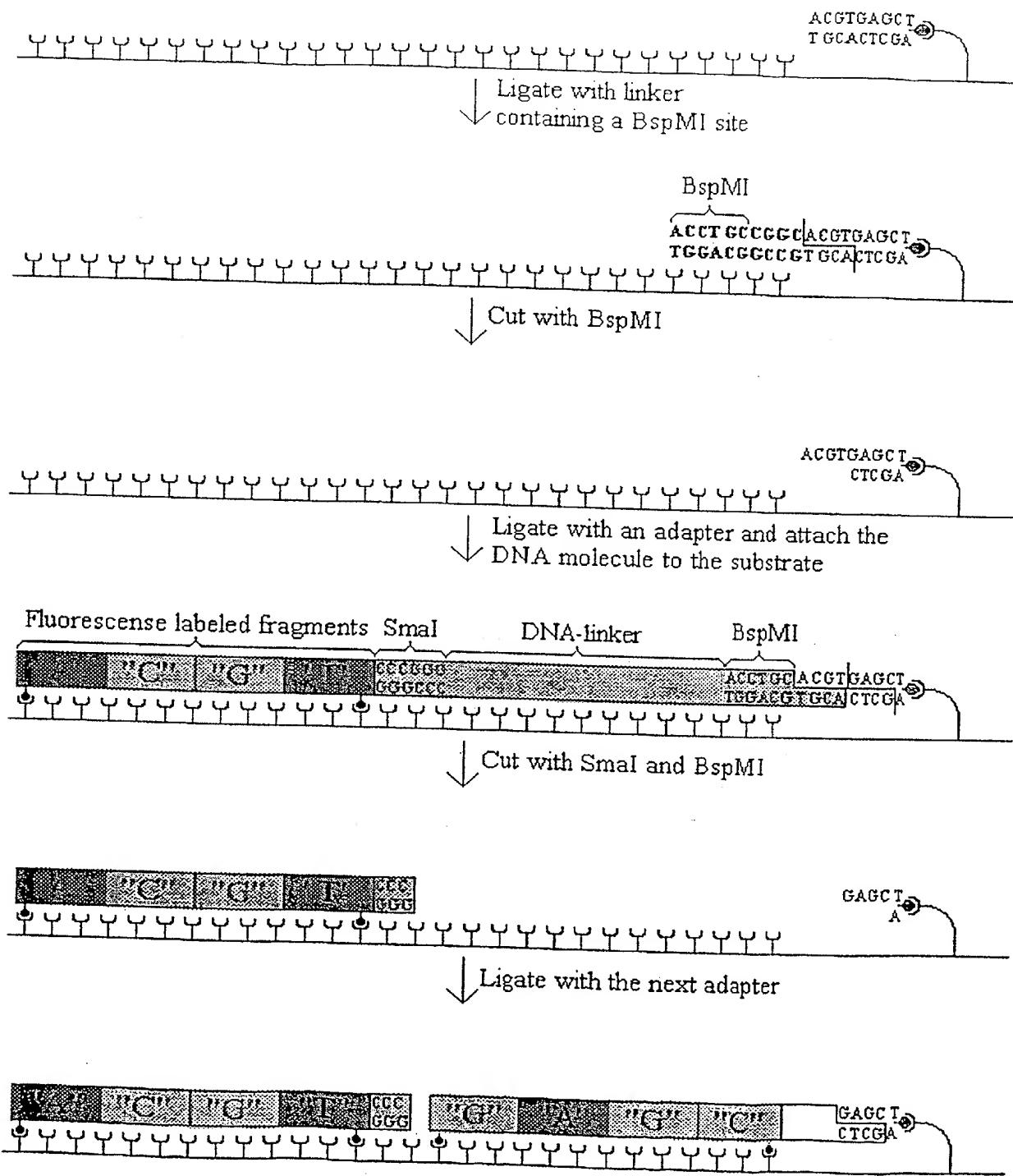
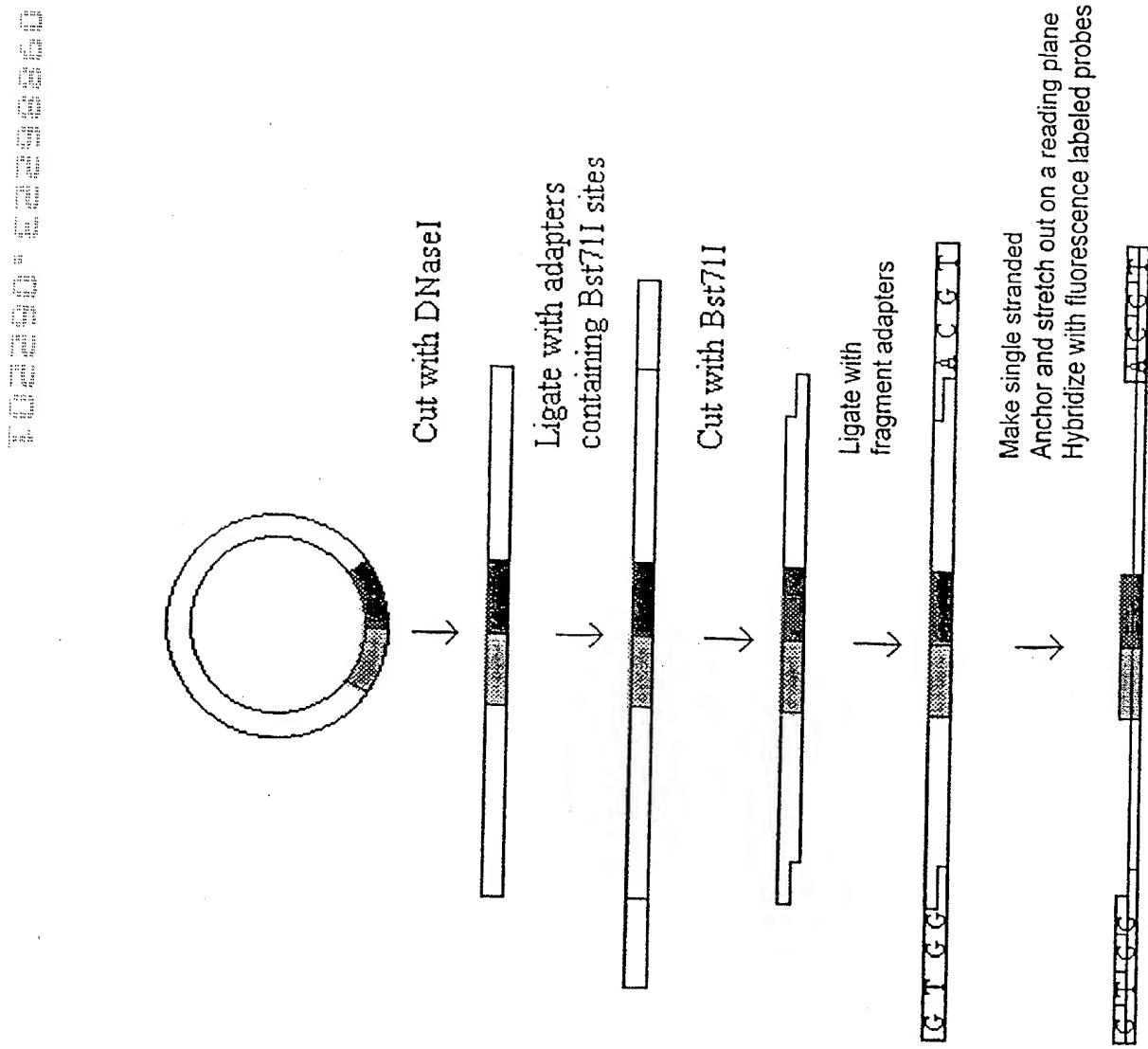


FIG. 19



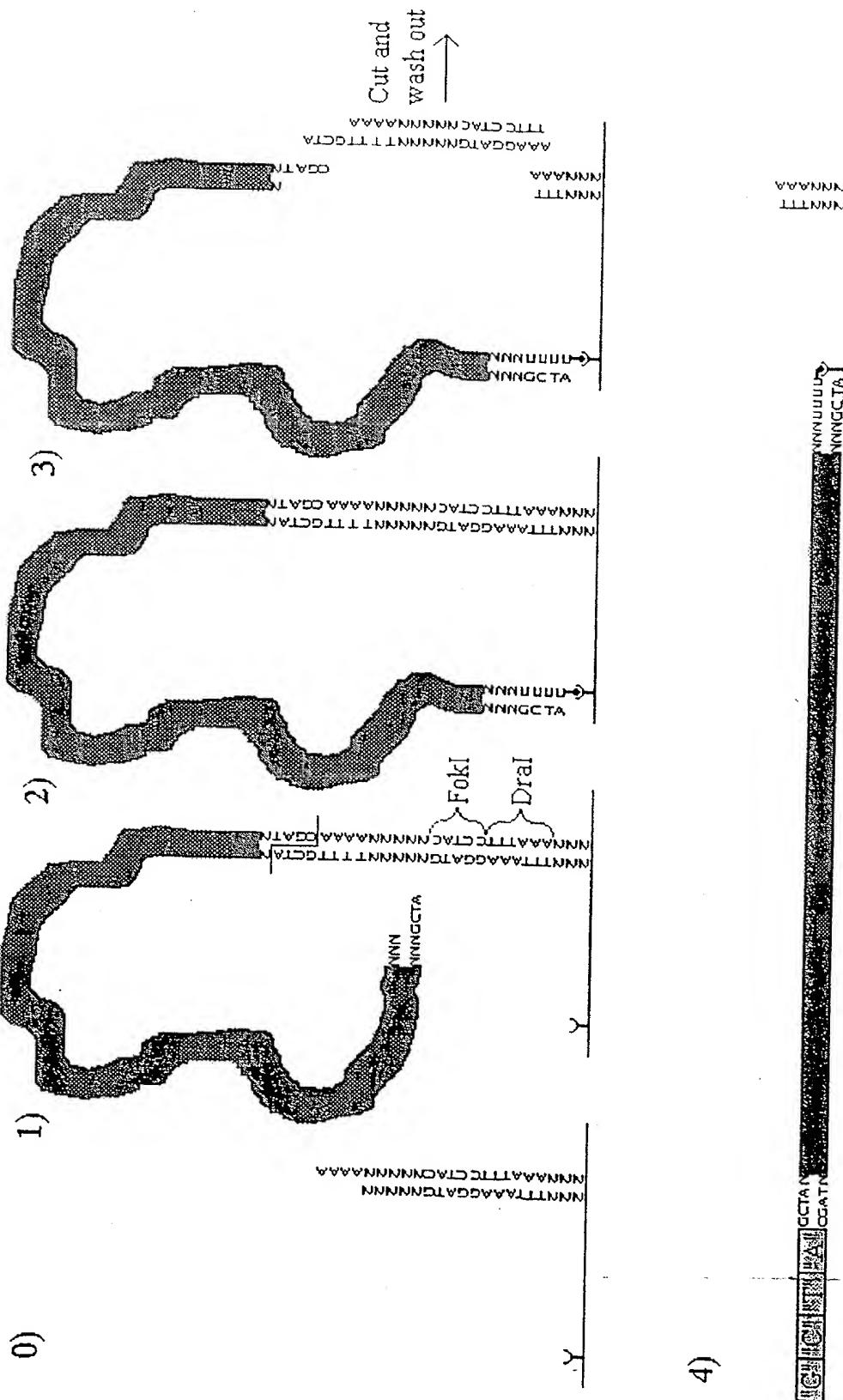


FIG. 21

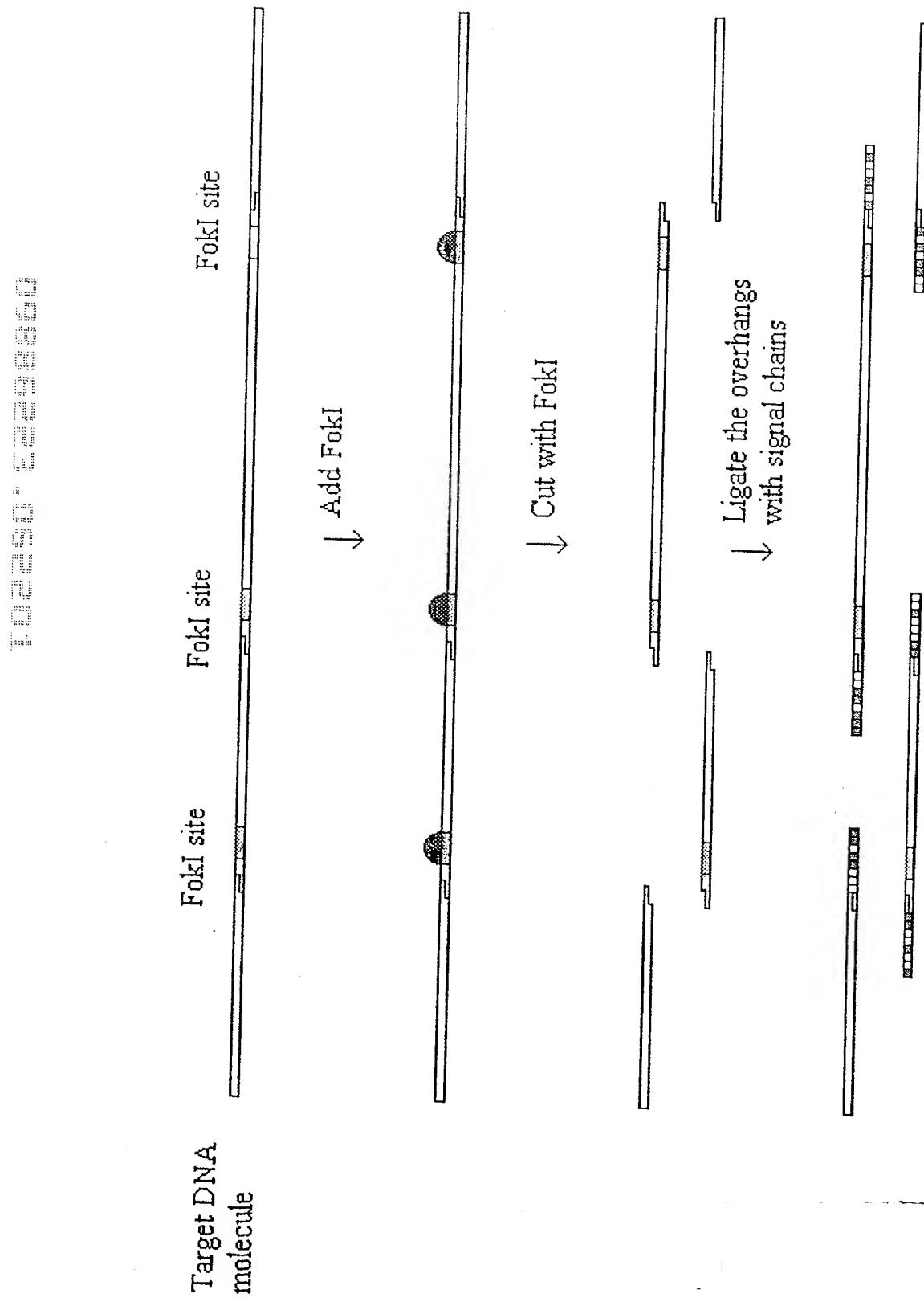


FIG. 22

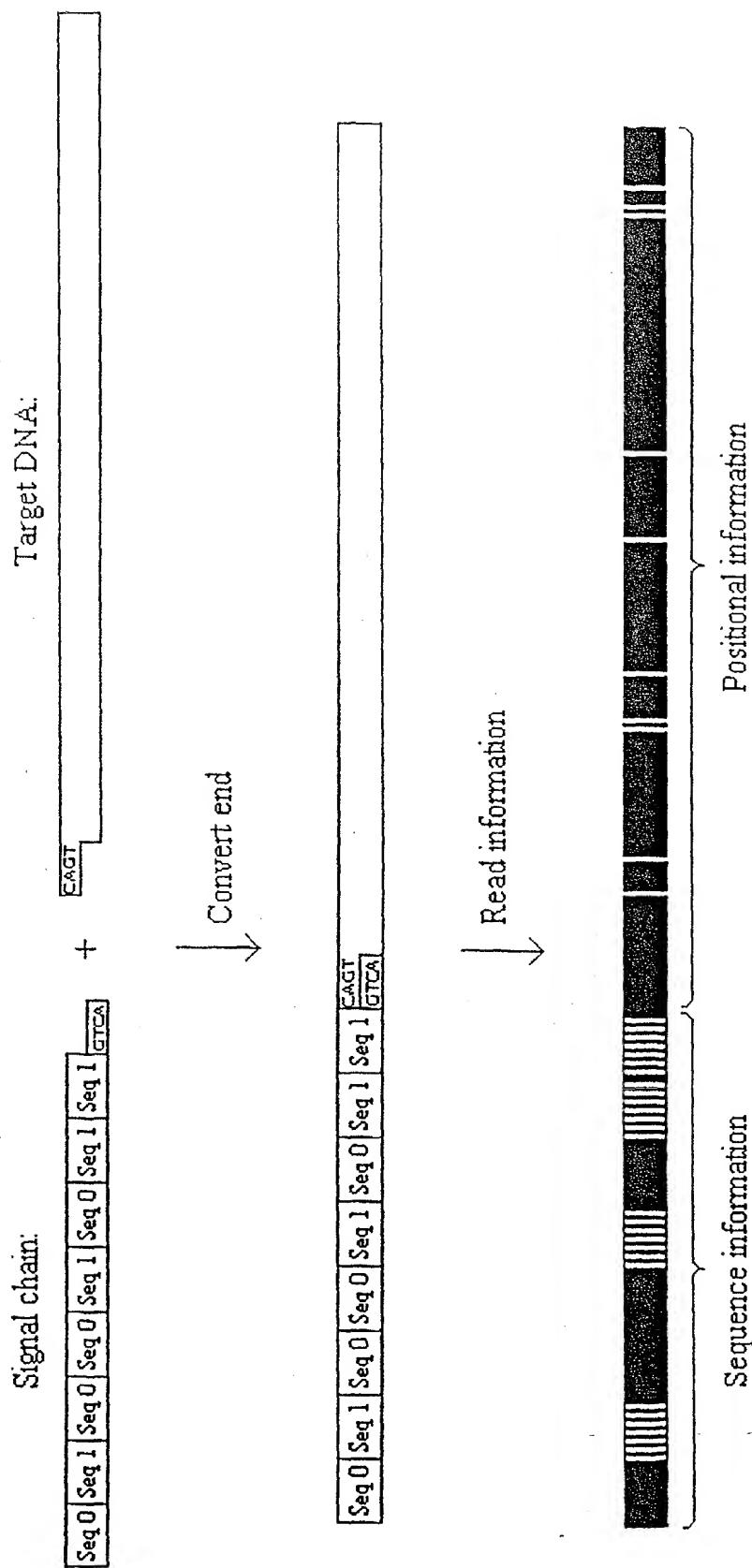
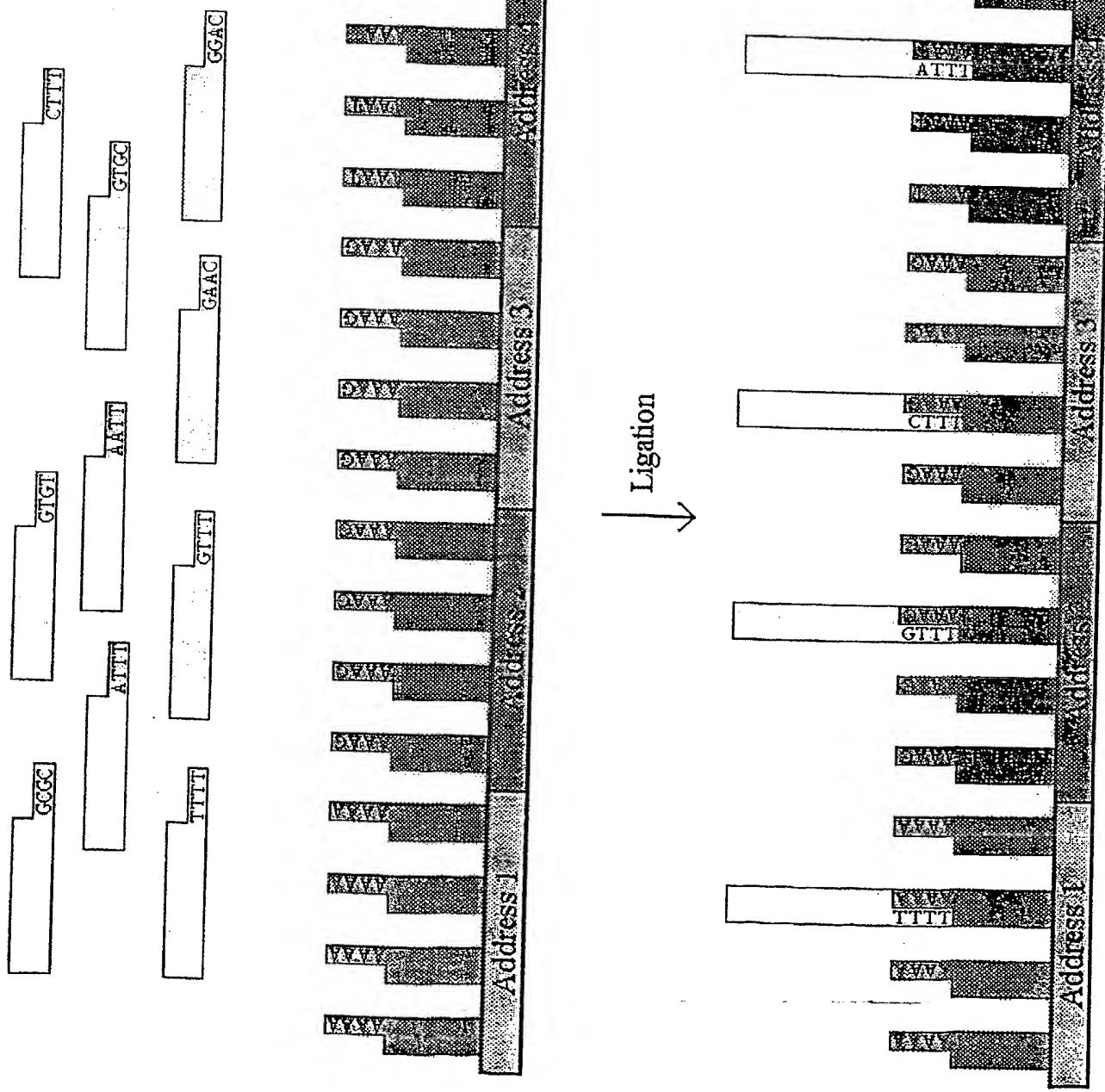


FIG. 23

FIG. 24



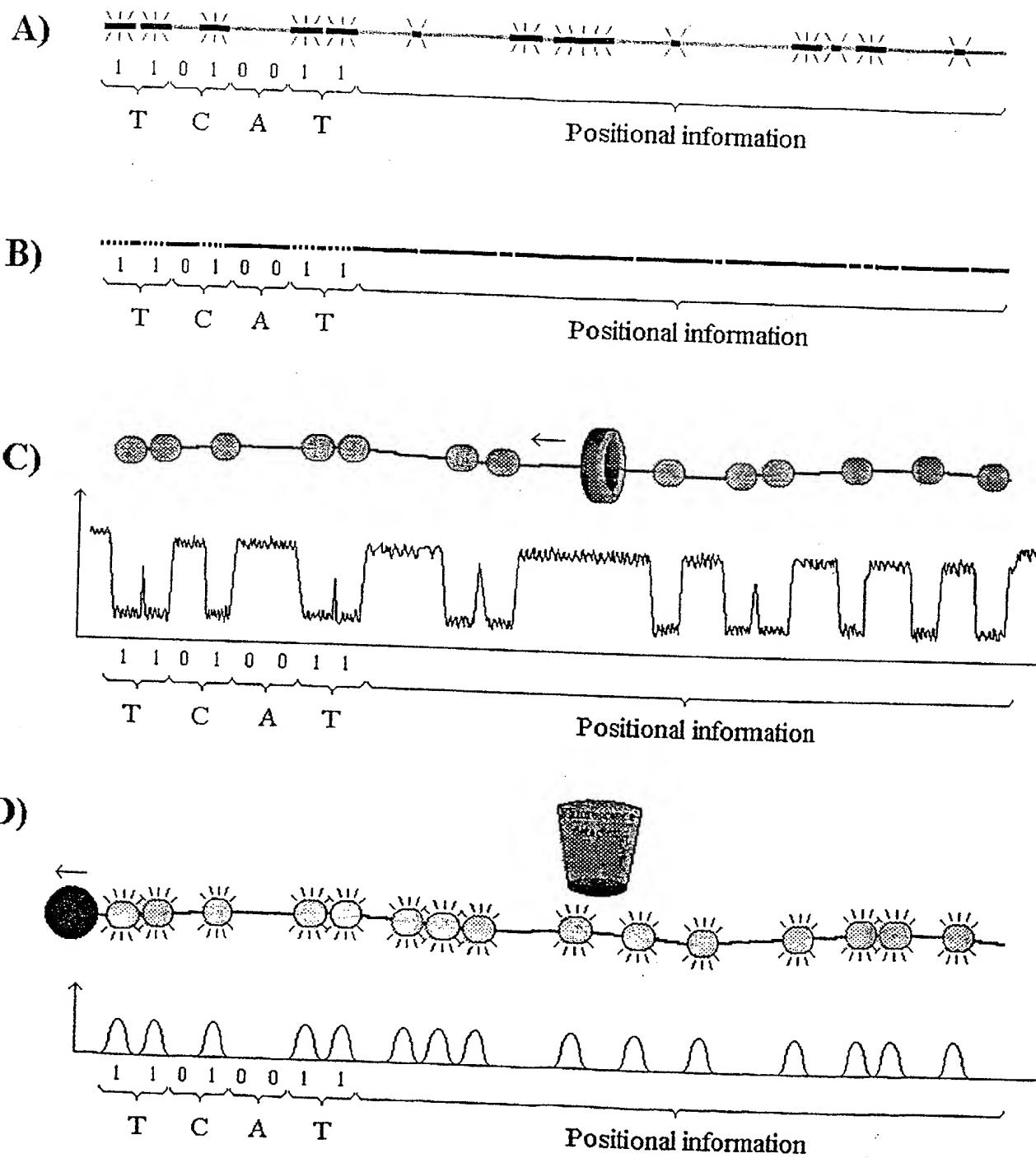


FIG. 25